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AZ61262 MN0439C04
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1 (Dases 1 to 50)
Suzuki, Y., Taira, H., Tsunoda, T., Mizushima-Sugano, J., Sese, J., Hata, H., Tsogai, T., Tanaka, T., Morishita, S., Okubo, K., Sakaki, Y., Nakamura, Y., Suyama, A. and Sugano, S.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Contact: Yutaka Suzuki
Department of Virology
Institute of Medical Science, University of Tokyo
Institute of Medical Science, University of Tokyo
Suzuki, Shirokanedai, Minatoku, Tokyo 108-8639, Japan
Email: ysuzuki@ims.u-tokyo.ac.jp
Suzuki,Y., Yoshitomo-Nakagawa,K., Maruyama,K., Suyama,A. and Sugano,S. Construction and characterization of a full length-enriched and a 5'-end-enriched CDNA library. Gene 200 (1-2), 149-156 (1997).
Location/Qualifiers
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AZ598617 1M0413G01
AU014022 AU014022
AU256484 AU256484
T73421 yG35a08 B1
T73795 yC54a06.81
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AZ824330 ZM0098C22
BH811645 SALK 0595
AI188838 qd21f12.x
A1684941 wa74d06.x
AA452094 zx30h08.s
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AI244530 qk14d06.x
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AZ779310 2M0015M05
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AA588127 nk10h05.8
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 Homo sapiens
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Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi; Mammalia; Butheria; Primates; Catarrhini; Hominidae; Homo.
1 (Dases 1 to 50)
Suzuki,Y., Taira,H., Tsunoda,T., Mizushima-Sugano,J., Sese,J., Hata,H., Ota,T., Isogai,T., Tanaka,T., Morishita,S., Okubo,K., Sakaki,Y., Nakamura,Y., Suyama,A. and Sugano,S.
Diverse transcriptional initiation revealed by fine, large-scale
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Institute of Medical Science, University of Tokyo
1nstitute of Medical Science, University of Tokyo
4-6-1, Shirokanedai, Minatoku, Tokyo 108-8639, Japan
Email: ysuzukielins.u-tokyo.ac.jp
Suzuki,Y., Yoshitomo-Nakagawa,K., Maruyama,K., Suyama,A. and Sugano,S. Construction and characterization of a full length-enriched and a 5'-end-enriched cDNA library. Gene 200 (1-2), 149-156 (1997).
                                                                                                                                                                                                                                                                                                                                                                                                         Department of Virology
Institute of Medical Science, University of Tokyo
Institute of Medical Science, University of Tokyo
Institute of Medical Science, Tokyo 108-8639, Japan
Email: yeuzuki@ims.u-tokyo.ac.jp
Suzuki,Y., Yoshitomo-Nakagawa,K., Maruyama,K., Suyama,A. and Sugano,S. Construction and characterization of a full length-enriched and a 5'-end-enriched CDNA library. Gene 200 (1-2), 149-156 (1997).
Location/Qualifiers
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AUI06277 Sugano Homo sapiens cDNA library Homo sapiens cDNA clone
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Bukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.

1 (bases 1 to 50)
Suzuki, Y., Taira, H., Tsunoda, T., Mizushima-Sugano, J., Sese, J., Hat
Suzuki, Y., Taira, H., Tsunaka, T., Morishima-Sugano, J., Sese, J., Hat
Y., Nakamura, Y., Suyama, A. and Sugano, S.
Diverse transcriptional initiation revealed by fine, large-scale
mapping of mRNA start sites
EMBO. Rep. 2 (5), 388-393 (2001)
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/clone=lib="Sugano Homo sapiens cDNA library"
/note="Differential display comparison of untreated and
dimethylfumarate treated U937 cells"
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/organism="Homo sapiens"
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EMBO Rep. 2 (5), 388-393 (2001)
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Homo sapiens

Homo sapiens

Matmalia, Butheria, Primates, Catarrhini, Hominidae, Homo.

Matmalia, Butheria, Primates, Catarrhini, Hominidae, Homo.

Matmalia, Butheria, Primates, Catarrhini, Hominidae, Homo.

Moses 1 to 50)

Buzuki, Y., Taira, H., Tsunoda, T., Mizushima-Sugano, J., Sese, J., Hata, H., Ota, T., Isogai, T., Tanaka, T., Morishita, S., Okubo, K., Sakaki, Y., Nakamura, Y., Suyama, A. and Sugano, S.

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4-6-1, Shirokanedai, Minatoku, Tokyo 108-8639, Japan
Email: ysuzuki@ims.u-tokyo.ac.jp
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ilarity 100.0%; Pred. No. 1.5e+04;
Conservative 0; Mismatches 0;
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Best Local Simil
Matches 12; (
                                                                                                                                                                                                                                                                                  Query Match
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VERSION KEYWORDS SOURCE ORGANISM

REFERENCE AUTHORS

JOURNAL MEDLINE

COMMENT

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DEFINITION

RESULT 2 AU106275 LOCUS

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BASE COUNT ORIGIN

FEATURES

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Homo sapiens

Bukaryota, Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;

Mammalia; Butheria; Primates; Catarrhini; Hominidae; Homo.

1 (Dases 1 to 50)

Suzuki,Y., Taira,H., Tsunoda,T., Mizushima-Sugano,J., Sese,J., Hata,H., Ota,T., Isogai,T., Tanaka,T., Morishita,S., Okubo,K., Sakaki,Y., Nakamura,Y., Suyama,A. and Sugano,S.

Millian and Sugano,S.

Bublo Rep. 2 (5), 389-393 (2001)
                                                                                                                                                                                                                                                      Contact: Yutaka Suzuki
Department of Virology
Institute of Medical Science, University of Tokyo
Institute of Medical Science, University of Tokyo
Email: Shirokanedai, Minatoku, Tokyo 108-8639, Japan
Email: ysuzuki@ims.u-tokyo.ac.jp
Suzuki,Y., Yoshitomo-Nakagawa,K., Maruyama,K., Suyama,A. and Sugano,S. Construction and characterization of a full length-enriched and a 5'-end-enriched CDNA library. Gene 200 (1-2), 149-156 (1997).
Location/Qualifiers
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     /clone_lib="Sugano Homo sapiens cDNA library"
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dimethylfumarate treated U937 cells"
23 c 15 g 9 t
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100.0%; Pred. No. 1.5e+04;
ive 0; Mismatches 0;
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Unpublished (1997)
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AU106279 Sugano Homo sapiens cDNA library Homo sapiens cDNA clone
AU106279
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Department of Virology
Institute of Medical Science, University of Tokyo
Institute of Medical Science, University of Tokyo
Institute of Medical Science, University of Tokyo
Bazuki Mirokanedai, Minatoku, Tokyo 108-8639, Japan
Email: ysuzuki@ims.u-tokyo.ac.jp
Bazuki,Y., Yoshitomo-Nakagawa,K., Maruyama,K., Suyama,A. and Sugano
Suzuki,Y., Yoshitomand characterization of a full length-enriched and
a 5'-end-enriched cDNA library. Gene 200 (1-2), 149-156 (1997).
Location/Qualifiers.
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AU106287
BAU106287. GI:13555808
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EMBO Rep. 2 (5), 388-393 (2001)
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Mammalia, Eutheria, Primates, Catarrhini, Hominidae, Homo.
1 (bases 1 to 50)
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23 c 17 g 9 t
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24 c 16 g 7
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Pred. No.
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100.0%;
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Gaps

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Length 50;

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Contact: Robert Strausberg, Ph.D.
Email: cgapbs-remail.nih.gov
Tissue Procurement: Christopher Moskaluk, M.D., Ph.D., Michael R.
Tissue Procurement: Christopher Moskaluk, M.D., Ph.D., Ph.D., Ph.D., CDNA Library Preparation: Life Technologies, Inc.
CDNA Library Arrayed by: Greg Lennon, Ph.D.
DNA Sequencing by: Washington University Genome Sequencing Center
Clone distribution: NCI-CGAP clone distribution information can be found through the I.M.A.G.E., Consortium/LLNL at:
               tu95b04.x1 NCI_CGAP_Gas4 Homo sapiens cDNA clone IMAGE:2258767 3' similar to TR:Q33563 Q33563 EATRO 164 KINETOPLAST ;, mRNA sequence. A1620546
                                                                                                                                                                                                                                                                                                     Eukaryota, Metazoa, Chordata, Craniata, Vertebrata, Euteleostomi,
Mammalia, Eutheria, Primates, Catarrhini, Hominidae, Homo.
1 (bases 1 to 25)
                                                                                                                                                                                                                                                                                                                                                                                                               NCI-CGAP http://www.ncbi.nlm.nih.gov/ncicgap.
National Cancer Institute, Cancer Genome Anatomy Project (CGAP),
linear
mRNA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           ww-bio.llnl.gov/bbrp/image/image.html
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Trace considered overall poor quality Insert Length: 1315 Std Brror: 0.00 Stg primer: -40UP from Gibco High quality sequence stop: 1 POLYA-No.
25 bp
                                                                                                                                                  AI620546.1 GI:4629672
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Gaps ..

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was blunt end-repaired with T4 DNA polymerase and T4 polynucleotide kinase. Adaptor oligonucleotides were ligated to the blunt ends in high molar excess. The adaptored DNA was purified and size-selected for a 9.5 to 10.5 kb range using preparative agarose gel electrophoresis. Vector DNA was prepared from a derivative of pWD42 (gi |472214|gb|AR129072.1). a copy-number inducible derivative of plasmid R1. The vector was ligated with adaptors complementary to the insert adaptors and purified. The sheared, adaptored mouse DNA was annealed to adaptored vector DNA, and transformed into chemically-competent E. coli XL10-Gold (Stratagene) cells and selected for ampicillin resistance."
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/lab_host="numor, 10 pooled (see description) |
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Seg primer: -400P from Gibco
High quality sequence stop: 1.
Location/Qualifiers
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                                                                                                                                                                                /clone="IMAGE:2258767"
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/tissue_type="poorly differentiated adenocarcinoma with
signet_ring cell features"
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/lab host="Cloned unidirectionally. Primer: Öligo dT.
site_2: Not1; Cloned unidirectionally. Primer: Öligo dT.
Average insert size 1.69 kb. Life Technologies catalog #:
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Dunn,D., Aoyagi,A., Barber,M., Beacorn,T., Duval,B., Hamil,C., Islam,H., Longacre,S., Mahmoud,M., Meenen,E., Pedersen,T., Reilly,M., Rose,M., Rose,R., Stokes,R., Tingey,A., von Niederhausern,A. Mouse whole genome scaffolding with paired end reads from 10kb blasmid inserts
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University of Utah Genome Center
University of Utah
Rm. 308, Biomedical Polymers Research Bldg., 20 S. 2030 E.,
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Insert Length: 10000 Std Error: 0.00
Plate: 0107 row: G column: 23
Seq primer: CACACAGGAAACAGCTATGACC
Class: plaemid ends
High quality sequence stop: 26.
Location/Qualifiers
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organism="Mus musculus"
strain="C57BL/6J"
                                                                                                               sapiens"
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clone="UUGC1M0107G23"
                                                                                                                                                    xref="taxon:9606'
                                Location/Qualifiers
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Fax: 801 585 7177
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Contact: Robert Strausberg, Ph.D.
Email: cgapbs-r@mail.nih.gov
Tissue Procurement: Christopher Moskaluk, M.D., Ph.D., Michael R.
Emmert-Buck, M.D., Ph.D.
Emmert-Buck, M.D., Ph.D.
Emmert-Buck, M.D., Ph.D.
CDNA Library Preparation: Life Technologies, Inc.
CDNA Library Arrayed by: Greg Lennon, Ph.D.
DNA Sequencing by: Washington University Genome Sequencing Center
Clone distribution: NCI-CGAP clone distribution information can be
found through the I.M.A.G.B. Consortium/LLNL at:
www-bio.llnl.gov/bbrp/image/image.html
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Bukaryota, Metazoa, Chordata, Craniata, Vertebrata, Euteleostomi,
Mammalia, Eutheria, Primates, Catarrhini, Hominidae, Homo.
1 (bases 1 to 49)
Hillier,L., Allen,M., Bowles,L., Dubuque,T., Geisel,G., Jost,S.,
Kriman,D., Kucaba,T., Lacy,M., Le,N., Lennon,G., Marra,M., Martin,J., Moore,B., Schelnberg,K., Steptoe,M., Tan,F., Theising,B.,
White,Y., Wylie,T., Waterston,R. and Wilson,R.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  /note="Organ: uterus; Vector: pCMV-SPORT6; Site 1: Sal1; Site 2: Not1; Cloned unidirectionally. Primer: Oligo dT. Average insert size 1.85 kb. Life Technologies catalog #:
tz31h05.x1 NCI CGAP Ut2 Homo sapiens cDNA clone IMAGE:2290233 3' similar to SW:SP49 HUMAN Q15427 SPLICEOSOME ASSOCIATED PROTEIN 49 ;contains TAR1.t3 MSR1 repetitive element ;, mRNA sequence.
                                                                                                                                                                 Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.
1 (bases 1 to 40)
                                                                                                                                                                                                                            NCI-GGAP http://www.ncbi.nlm.nih.gov/ncicgap.
National Cancer Institute, Cancer Genome Anatomy Project (CGAP),
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/organism="Homo sapiens"
/db_xref="taxon:9606"
/db_xref="taxon:9606"
/clone="INAGE:2290233"
/clone_lb="NCI_CGAP_Ut2"
/tissue_type="moderaTely-differentiated endometrial
descentationema. 3 pooled tumors"
/lab_host="DH108"
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A1253403.1 GI:3850358
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Bukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;

Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.

1 (bases 1 to 39)

Krizman,D., Kucaba,T., Lacy,M., Le,N., Lennon,G., Marra,M., Martin,J., Moore,B., Schellenberg,K., Steptoe,M., Tan,F., Theising,B., White,Y., Wylie,T., Waterston,R. and Wilson,R.

MashU-NCI human EST Project

LU Unpublished (1997)

Contact: Wilson RK

Washington University School of Medicine

444 Porset Park Parkway, Box 8501, St. Louis, MO 63108

Tel: 314 286 1810

Fax: 314 286 1810

Exail: estGwateson. wustl.edu

This clone is available royalty-free through LLNL; contact the IMAGE Consortium (info@image.llnl.gov) for further information.

Seq primer: -40m13 fwd. ET from Amersham

High quality sequence erop: 1.
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/db_xref="GDB:1302084"
/db_xref="taxon:9606"
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Contact: Yutaka Suzuki
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Double- stranded cDNA was digested with Real, resulting in blunt ended cDNA of an average 0.1-2 kb in length.

Digested cDNA was split into two sets, one used as is as the driver, the other set was split in half again and each half linked to a different adaptor.

(5.-TCGAGCGCGCCGCGCAGGT-3' or 5'-
AGGCGCGGGGGGCGCCGCGAGGT-3'), to be used as tester.

Subtraction was performed using the Clontech PCR Select CDNA subtraction kit. Pool of two mentally normal male individuals ages 41 and 53 (8-124, 8-141) subtracted by pool of two schizophrenic individuals, male age 44 and female age 56 (8-116, 8-118). Tissues were obtained from the Stanley Neuropathology Consortium (www.stanleylab.org Johnston [(410) 614-3918, nlj@welchlink.welch.jhu.edu]."
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1 (bases 1 to 50)
Suzuki, Y., Taira, H., Tsunoda, T., Mizushima-Sugano, J., Sese, J., Hata, H., Ota, T., Isogain, T., Tanaka, T., Morishita, S., Okubo, K., Sakaki, Y., Nakamura, Y., Suyama, A. and Sugano, S.

Diverse transcriptional initiation revealed by fine, large-scale mapping of mRNA start sites
EMBO Rep. 2 (5), 388-393 (2001)
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                                                                                                                                                                                                                                                                                                                                                                                                                                        /clone_lib="Stanley Frontal NS pool 2"
/tissue_type="frontal lobe (see description)"
/lab host="DH10B (phage-resistant)"
/note="Organ: brain; Vector: pCR2:1-TOPO (Invitrogen);
/ste-1: EcoR1; Total RNA (purified with Trizol and DNAsed before use) was reverse transcribed using a modified oligo-dT primer containing Real and HindIII sites.
                                                                  Washington University School of Medicine
4444 Forest Park Parkway, Box 8501, St. Louis, MO 63108
Tel: 314 286 1800
Fax: 314 286 1810
Email: est@watson.wustl.edu
This clone is available royalty-free through LLNL, contact the
IMAGE Consortium (info@image.llnl.gov) for further information.
Trace considered overall poor quality
Possible reversed clone: similarity on wrong strand
Seq primer: -40UP from Gibco
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   0; Gaps
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100.0%; Pred. No. 5.2e+04;
tive 0; Mismatches 0;
                                                                                                                                                                                                                                                                                                                                                                          /organism="Homo sapiens"
/db_xref="taxon:9606"
                                                                                                                                                                                                                                                                                                                                                                                                  /db_xref="taxon:9606"
/clone="IMAGE:2030896"
                                                                                                                                                                                                                                                                                                       High quality sequence stop: 1. Location/Qualifiers
    WashU-NCI human EST Project
Unpublished (1997)
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AU105311.1 GI:13554832
                                                  Contact: Wilson RK
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Department of Virology
Institute of Medical Science, University of Tokyo
Institute of Medical Science, University of Tokyo
Institute of Medical Science, University of Tokyo
Banai: ysuzuki@ims.u-cokyo.ac.jp
Suzuki,Y., Yoshitomo-Nakagawa,K., Maruyama,K., Suyama,A. and Sugano,S. Construction and characterization of a full length-enriched and a 5'-end-enriched cDNA library. Gene 200 (1-2), 149-156 (1997).
Location/Qualifiers
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/organism="Homo sapiens"

/organism="Homo sapiens"

/clone="ADKA01517"

/clone="bifferential display comparison of untreated and

/note="Differential display comparison of untreated and

dimethylfummarate treated U937 cells"
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1M0439C04R Mouse 10kb plasmid UUGC1M library Mus musculus genomic clone UUGC1M0439C04 R, DNA sequence.
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Eukaryota, Metazoa, Chordata, Craniata, Vertebrata, Euteleostomi,
Mammalia, Eutheria, Rodentia, Sciurognathi, Muridae, Murinae, Mus
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Juval, B., Hamil, C.,

Junn, D., Aoyagi, A., Barber, M., Beacorn, T., Duval, B., Hamil, C.,

Islam, H., Longacre, S., Mahmoud, M., Menen, E., Pedersen, T., Reilly,

M., Rose, M., Rose, R., Stokes, R., Tingey, A., von Niederhausern, A.

Man Wright, D., Weiss, R.

Mouse whole genome scaffolding with paired end reads from 10kb

plasmid inserte
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; Pred. No. 5.2e+04;
0; Mismatches 0;
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Seg primer: CACACAGGAAACAGCTATGACC
Class: plasmid ends
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Contact: Robert B. Weiss
University of Utah Genome Center
University of Utah
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/clone="UUGC1M0439C04"
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Fax: 801 585 7177
Email: ddunn@genetics.utah.edu
Insert Length: 10000 Std Erro
Plate: 0439 row: C column: 04
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Location/Qualifiers
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AZ612624.1 GI:11734730
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was hydrodynamically sheared by repeated passage through a 0.005 inch orifice at constant velocity. The sheared DNA was blunt end repaired with 74 DNA polymersas and 74 polymucleotide kinase. Adaptor oligonucleotides were ligated to the blunt ends in high molar excess. The adaptored DNA was purified and size-selected for a 9.5 to 10.5 kb range using preparative agarose gel electrophoresis. Vector DNA was prepared from a derivative of pWD42 (gi|4732114|gb|AF129072.1), a copy-number inducible derivative of plasmid R1. The vector was ligated with adaptors complementary to the insert adaptors and purified. The sheared, adaptored mouse DNA was annealed to adaptored vector DNA, and transformed into chemically-competent E. coli XL10-Gold (Stratagene) cells and selected for ampicillin resistance."
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Bunn, D., Aoyai, A., Barber, M., Beacorn, T., Duval, B., Hamil, C., Islam, H., Longacre, S., Mahmoud, M., Meenen, E., Pedersen, T., Reilly and Wright, D., Weise, R., Stokes, R., Tingey, A., von Niederhausern, A. Mouse whole genome scaffolding with paired end reads from 10kb
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2M0085G16F Mouse 10kb plasmid UUGC1M library Mus musculus genomic
clone UUGC2M0085G16 P, DNA sequence.
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/note="vector: PMP42nv; Purified genomic DNA from M.
musculus C57BL/6J (male) was obtained from the Jackson
Laboratory Mouse DNA Resource
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Fax: 801 585 7177
Email: ddunn@genetics.utah.edu
Insert Length: 10000 Std Error: 0.00
Plate: 0085 row: G column: 16
Seq primer: CGTTGTAAAACGACGCCAGT
Class: plasmid ends
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Unpublished (2000)
Contact: Robert B. Weiss
University of Utah Genome Center
University of Utah
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/clone="UUGC2M0085G16"
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was hydrodynamically sheared by repeated passage through a 0.005 inch orifice at constant velocity. The sheared DNA was blunt end repaired with 74 DNA polymersae and 74 polymuclectide kinase. Adaptor oligomuclectides were ligated to the blunt ends in high molar excess. The adaptored DNA was purified and size-selected for a 9.5 to 10.5 kb range using preparative agarose gel electrophorses. Vector DNA was prepared from a derivative of pWD42 (gi|4732114|gb|AF129072.1), a copy-number inducible derivative of plasmid R1. The vector was ligated with adaptors complementary to the insert adaptors and purified. The sheared, adaptored mouse DNA was annealed to adaptored vector DNA, and transformed into chemically-competent E. coli XL10-Gold (Stratagene) cells and selected for ampicillin resistance."
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(http://www.jax.org/resources/documents/dnares/). The DNA
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Job time: 814.38 secs
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	13 41.9	28 12 38.7 29 12 38.7 30 12 38.7		12 38.7	39 12 38.7	41 12 38.7	12 38.7	45 12 38.7		RESULT 1 US-10-359-935-22/C Sequence 22, Application 1 GENERAL INFORMATION: GENERAL INFORMATION: HENG, W TITLE OF INVENTION TITLE OF INVENTION NUMBER OF SEQUENCE CORRESPONDENCE ADD STREET: TWO ES	; CIIY: San Frai ; STATE: Callfo ; COUNTRY: USA ; ZIP: 94111-38:	COMPUTER READABLE ; MEDIUM TYPE:)	COMPOUTER: 1BM OPERATING SYS: SOFTWARE: Pat.	; CURKENT APPLICATION N; APPLICATION NI	; CLASSIFICATION PRIOR APPLICATION I	FILING DATE:	FILING DATE: APPLICATION NI FILING DATE:	APPLICATION N FILING DATE:	HIOKNEI/AGENI INK NAME: Storell; REGISTRATION I	TELECOMOUNICATION TELECOMOUNICATION TELEPHONE: (415 TEMPORATION FOR SEC 17)	THE CONTRACT TO THE TAIL TO THE T
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ġ.		earch time 1721.65 Seconds (without alignments) 125.426 Million cell updates/sec					8654690				ance to have a sult being printed, ribution.		Description	:	Sequence 11, Appl Sequence 275, App			Sequence 31253, A Sequence 3446, Ap			מבלת ביווים
ore version 5.1.6 993 - 2003 Compugen Ltd	ng sw model	2003, 20:09:29 ; Search time 1721.65 Seconds (Without alignments) 125.426 Million cell updat	US-08-770-564A-1_COPY_350_380 31 1 CTCCCCGCGCGTTTTTCTCGCTGACTTT 31	ext 60.0	82903955 residues		of hits satisfying chosen parameters:	. 05	first 45 summaries	Pending Patents NA, New:* (cgn2_6/prodata/2/pna/PCT NEW COMB.seq:* (cgn2_6/prodata/2/pna/USO6_NEW_COMB.seq:* (cgn2_6/prodata/2/pna/USO6_NEW_COMB.seq:* (cgn2_6/prodata/2/pna/USO6_NEW_COMB.seq:* (cgn2_6/prodata/2/pna/USO6_NEW_COMB.seq:* (cgn2_6/prodata/2/pna/USO9_NEW_COMB.seq:* (cgn2_6/prodata/2/pna/USO9_NEW_COMB.seq3:* (cgn2_6/prodata/2/pna/USO9_NEW_COMB.seq3:* (cgn2_6/prodata/2/pna/USO0_NEW_COMB.seq3:* (cgn2_6/prodata/2/pna/USO0_NEW_COMB.seq3:* (cgn2_6/prodata/2/pna/USO0_NEW_COMB.seq3:* (cgn2_6/prodata/2/pna/USO0_NEW_COMB.seq3:* (cgn2_6/prodata/2/pna/USO0_NEW_COMB.seq3:* (cgn2_6/prodata/2/pna/USO0_NEW_COMB.seq3:* (cgn2_6/prodata/2/pna/USO0_NEW_COMB.seq3:* (cgn2_6/prodata/2/pna/USO0_NEW_COMB.seq3:* (cgn2_6/prodata/2/pna/USO0_NEW_COMB.seq3:*	No. is the number of results predicted by chance to have a greater than or equal to the score of the result being printed; derived by analysis of the total score distribution.	SUMMARIES	ID	US-10-359-935-22	PCT-US03-04088-11 PCT-US03-04088-275	US-09-954-445A-120833 US-09-954-445A-120843 US-09-954-445A-120845	US-60-427-836-342410 US-09-954-445A-31235 US-09-954-445A-31237	US-09-954-445A-31253 US-10-294-038-3446	US-10-355-5//-883/0 US-10-355-5/7-724663 US-10-355-5/7-738956 US-10-355-5/7-738956	US-10-333-37-37-37-37-37-37-37-37-37-37-37-37	
GenCore Copyright (c) 1993	- nucleic search, using		770-564A-1	NUC 50.0 , Gapext	7821610 seqs, 3482903955		atisfying		ng first 4	ng_Patents 9972_6/ptod 9972_6/ptod 9972_6/ptod 9972_6/ptod 9972_6/ptod 9972_6/ptod 9972_6/ptod 9972_6/ptod 9972_6/ptod 9972_6/ptod 9972_6/ptod 9972_6/ptod	number of han or equa by analysis		Query Match Length DB	00	119	25 7 7 7 7 7	25 25 7 25 7	25 7 25 9	2 2 2 2 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4	2225	
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US-60-427-808-26051	US-60-427-808-66169	US-60-427-808-583626	US-60-427-836-4638	US-60-427-836-105088	US-10-294-038-686	US-10-294-038A-686	US-10-303-778-6395	0-310-188-44983	0-310-188-78585	0-310-188-84695		US-10-310-188-78276	PCT-US03-04088-12	PCT-US03-04088-276	US-10-310-188-85526	US-10-367-892-79	US-10-367-892-14883	US-10-367-892-22556	US-10-348-485-21	US-10-348-485-22	10-310-188-77351	10-310-188-40698	US-09-660-222-63498	JS-09-954-445A-87073
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ALIGNMENTS

ESULO. 359-315-22/C
Sequence 22, Application US/10359935
GENTEAL INFORMATION:
Repair Villeponteau, Bryant
Feng, Junli
Funk, Waller
Funk, Waller
Funk, Waller
Funk, Waller
Funk, Waller
Funk, Waller
Funk Andrews, William H.

TITLE OF INVENTION: Mammalian Telomerase
NUMBER OF SEQUENCES: 42
CORRESPONDENCE ADDRESS:
CORRESPONDENCE ADDRESS:
CONDUTER: California
COUNTER: California
COUNTER: California
COUNTER: LEAD FERSION Release #1.0, Version #1.30
SOFTWARE: Petentin Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/057,351
FILING DATE: 04-APE-1994
APPLICATION NUMBER: US 08/330,123
FILING DATE: 07-UL-1994
APPLICATION NUMBER: US 08/472,802
FILING DATE: 07-UL-1994
APPLICATION NUMBER: US 08/330,123
FILING DATE: 07-UL-1994
APPLICATION NUMBER: US 08/330,123
FILING DATE: 07-UL-1994
APPLICATION NUMBER: US 08/330,123
FILING DATE: 07-UN-1995
ATTORNEY/AGENT INFORMATION:
NAME: Storella, John R.
REBERENCE/DOCKET NUMBER: 015389-000821US
TELEFONMUNICATION INFORMATION:
TELEFONMUNICATION NUMBER: 015389-000821US
TELEFONMUNICATION NOW 22:

CT 21

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21 CT
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nilarity 100.0%; Pred. No. 0.065;
Conservative 0; Mismarchon
                                                                                                                                                                           Length 30;
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MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.30
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         ADDRESSEE: Townsend and Townsend and Crew LLP STREET: Two Embarcadero Center, Eighth Floor
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   NAME: Storella, John R. REGISTRATION NUMBER: 32,944 REFERENCE/DOCKET NUMBER: 015389-000821US
                                                                                                                                                                           DB 9; 0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   PRIOR APPLICATION DATA:
APPLICATION NUMBER: US/09/057,351
FILING DATE: 08-APR-1994
APPLICATION NUMBER: US 08/272,102
FILING DATE: 07-JUL-1994
APPLICATION NUMBER: US 08/330,123
FILING DATE: 27-CT-1994
APPLICATION NUMBER: US 08/472,802
                                                                                                                                                                                                                                                                                                                                                                                                                                                       Feng, Junli
Funk, Walter
Andrews, William H.
TITLE OF INVENTION: Mammalian Telomerase
                                                                                                                                                                                                                  Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/10/359,935
FILING DATE: 07-Feb-2003
CLASSIFICATION: 435
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     TOPOLOGY: linear
; MOLECULE TYPE: DNA
; SEQUENCE DESCRIPTION: SEQ ID NO: 29:
US-10-359-935-29
                                                                       TOPOLOGY: linear
MOLECULE TYPE: DNA
SEQUENCE DESCRIPTION: SEQ ID NO: 22:
                                                                                                                                                                       11.0%; Score 22; ilarity 100.0%; Pred. No. Conservative 0; Mismatcl
                                                                                                                                                                                                                                                                                                                                                                                            Sequence 29, Application US/10359935
GENERAL INFORMATION:
APPLICANT: Villeponteau, Bryant
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 FILING DATE: 07-JUN-1995
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               TELECOMMUNICATION INFORMATION
                                      TYPE: nucleic acid
STRANDEDNESS: single
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      INFORMATION FOR SEQ ID NO: 29:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              CITY: San Francisco
STATE: California
COUNTRY: USA
SEQUENCE CHARACTERISTICS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            SEQUENCE CHARACTERISTICS
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CORRESPONDENCE ADDRESS:
                                                                                                                                                                                                                                                         1 CICCCGCGCGCGC
                                                                                                                                                                       Query Match
Best Local Similarity
Matches 22; Conserv
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Best Local Similarity
Matches 21; Conserv
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OTHER INFORMATION: Description of Artificial Sequence: Target sequence/sinA sense OTHER INFORMATION: region
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APPLICANT: Ribozyme Pharmaceuticals, Inc.

APPLICANT: Rowiggen, James

APPLICANT: Beigelman, Leonid

TILLE OF INVENTION: RAM Interference Mediated Inhibition of Telomerase Gene

TILLE OF INVENTION: Expression Using Short Interfering RNA (siNA)

TILLE OF INVENTION: Expression Using Short Interfering RNA (siNA)

TILLE OF INVENTION: Expression Using Short Interfering RNA (siNA)

FILLE REFERENCE: 02-708-4, (400,0080)

FURBENT APPLICATION NUMBER: US 60/396,600

PRIOR FILING DATE: 2002-07-17

PRIOR APPLICATION NUMBER: US 60/359,580

PRIOR APPLICATION NUMBER: US 60/363,124

PRIOR FILING DATE: 2002-03-11

PRIOR FILING DATE: 2002-03-11

PRIOR FILING DATE: 2002-03-11
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                                                                                                                                                                         APPLICANT: MCSATGMEN Lands
APPLICANT: MCSATGMEN Lands
APPLICANT: Beigelman, Leonid
TITLE OF INVENTION: RNA INTERference Mediated Inhibition of Telomerase;
TITLE OF INVENTION: RNA INTERFERENCE: 02-708-A (400/080)
FILE REFERENCE: 02-708-A (400/080)
FILE REFERENCE: 02-708-A (400/080)
FILE REFERENCE: 2002-07-17
FILE REFERENCE: 2002-07-17
FRICH APPLICATION NUMBER: US 60/396,600
FRICH PILING DATE: 2002-07-17
FRICH PILING DATE: 2002-03-11
FRICH APPLICATION NUMBER: US 60/363,124
FRICH APPLICATION NUMBER: US 60/363,124
FRICH APPLICATION NUMBER: US 60/363,124
FRICH APPLICATION NUMBER: US 60/406,784
FRICH PILING DATE: 2002-06-06
FRICH PILING DATE: 2002-06-06
FRICH APPLICATION NUMBER: US 60/406,784
FRICH PILING DATE: 2002-06-06
FRICH APPLICATION NUMBER: US 60/408,378
FRICH APPLICATION NUMBER: US 60/409,293
FRICH APPLICATION NUMBER: US 60/409,293
FRICH APPLICATION NUMBER: US 60/400,129
FRICH FILING DATE: 2002-09-05
FRICH PILING DATE: 2002-09-05
FRICH PILING DATE: 2002-09-05
FRICH FILING DATE: 2003-09-05
FRICH FILING DATE: 2
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Pred. No.
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                                    Sequence 11, Application PC/TUS0304088 GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             2 TCCCCGCGCGCTGTTTTC 20
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SOFTWARE: PatentIn version 3.2
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Best Local Similarity 63.2%;
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PCT-US03-04088-11
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; TYPE: DNA
; ORGANISM: Arabidopsis thaliana
US-09-954-445A-120845
    ; ORGANISM: Arabidopsis thaliana
US-09-954-445A-120843
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Best Local Similarity 100..
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Matches 14; Conserv
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LENGTH: 25
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GENERAL INFORMATION:
APPLICANT: Mittmann, Michael
TITLE OF INVENTION: Methods of Genetic Analysis of Arabidopsis Thaliana
FILE REFERENCE: 3116.1
CURRENT APPLICATION NUMBER: US/09/954,445A
CURRENT APPLICATION NUMBER: US/09/954,445A
CURRENT APPLICATION NUMBER: GO/233,620
PRIOR PILING DATE: 2000-09-18
NUMBER OF SEQ ID NOS: 131820
SOFTWARE: Microarray Probe Sequence Listing Generator V 1.1
SEQ ID NO 120839
LENGTH: 25
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Sequence 120843, Application US/09954445A

GENERAL INFORMATION:

APPLICANT: Mitchean, Michael

TITLE OF INVENTION: Methods of Genetic Analysis of Arabidopsis Thaliana

FILE REPERENCE: 316.1

CURRENT PAPLICATION NUMBER: US/09/954,445A

CURRENT FILING DATE: 2000-09-17

PRIOR PILING DATE: 2000-09-18

NUMBER OF SEQ ID NOS: 131820

SOFTWARE MICRAETARY PROBE SEQUENCE Listing Generator V 1.1
                                                                                                                                                                                                                                                                                                                                            ) OTHER INFORMATION: Description of Artificial Sequence: sinA antisense; OTHER INFORMATION: region PCT-US03-04088-275
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100.0%; Pred. No. 0.85;
ive 0; Mismatches 0; Indels
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Matches 14; Conservative 0; Mismatches
                                     PRIOR FILING DATE: 2002-08-29
PRIOR APPLICATION NUMBER: US 60/408,378
PRIOR FILING DATE: 2002-09-05
PRIOR FILING DATE: 2002-09-09
PRIOR FILING DATE: 2002-09-09
PRIOR APPLICATION NUMBER: US 60/440,129
PRIOR PILING DATE: 2003-01-15
NUMBER OF SEQ ID NOS: 626
SOFTWARE: PATENTIN VERSION 3.2
SEQ ID NO 275
FILING DATE: 2002-06-06
APPLICATION NUMBER: US 60/406,784
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Best Local Similarity 100.
Matches 19; Conservative
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LENGTH: 25
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TITLE OF INVENTION: Methods of Genetic Analysis of Arabidopsis Thaliana
TITLE OF INVENTION: Methods of Genetic Analysis of Arabidopsis Thaliana
TITLE OF INVENTION: Methods of Genetic Analysis of Arabidopsis Thaliana
CURRENT APPLICATION NUMBER: US/09/954,445A
CURRENT FILING DATE: 2000-09-17
PRIOR FILING DATE: 2000-09-18
NUMBER OF SEQ ID NOS: 13.1820
SOFTWARE: Microarray Probe Sequence Listing Generator V 1.1
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TITLE OF INVENTION: Methods of Genetic Analysis of Arabidopsis Thaliana
FILE REFERENCE: 3116.1
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Sequence 342410, Application US/60427836
GENERAL INFORMATION:
APPLICANT: Xue Mei Zhou
TITLE OF INVENTION:
FILE REFERENCE: 3527
CURRENT APPLICANTION NUMBER: US/60/427,836
CURRENT FILING DATE: 2002-11-20
NUMBER OF SEQ ID NOS: 699466
SOFTWARE: Microarray Probe Sequence Listing Generator V 1.1
SEQ ID NO 342410
LENGTH: 25
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Pred. No. 5.2e+02;
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100.0%; Pred. No. 5.2e+02;
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    Score 14;
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100.0%; Pre
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Query Match 45.2%; Sc
Best Local Similarity 100.0%; P
Matches 14; Conservative 0;
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TYPE: DNA
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TITLE OF INVENTION: Methods of Genetic Analysis of Arabidopsis Thaliana
FILE REFERENCE: 3116.1
CURRENT APPLICATION NUMBER: US/09/954,445A
CURRENT FILING DATE: 2000-09-17
PRIOR APPLICATION NUMBER: 60/233,620
PRIOR FILING DATE: 2000-09-18
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SOFTWARE: Microarray Probe Sequence Listing Generator V 1.1
SEQ ID NO 31235
LENGTH: 25
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SOFTWARE: Microarray Probe Sequence Listing Generator V 1.1
SEQ ID NO 31237
LENGTH: 25
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SOFTWARE: Microarray Probe Sequence Listing Generator V 1.1
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ches 0;
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CURRENT APPLICATION NUMBER: US/09/954,445A
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; Sequence 31253, Application US/09954445A
; GENERAL INFORMATION:
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                     CURRENT FILING DATE: 2000-09-17
PRIOR APPLICATION NUMBER: 60/233,620
PRIOR FILING DATE: 2000-09-18
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Best Local Similarity 100.0
Matches 13; Conservative
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LENGTH: 25
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14 GTTTTTCTCGCTG 26

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. LOCATION: (1583792)...(1583815)
; OTHER INFORMATION: Chromosome = 1 Strand = negative ConnectronObjectNumber = 4331 US-10-294-038-3446
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TITLE OF INVENTION: Lactococcus lactis subsp. lactis IL1403 complete g
FILE REFERENCE: Jim Zegeer Law Offices - 703-684-8333
CURRENT APPLICATION NUMBER: US/10/294,038
CURRENT FILING DATE: 2002-11-14
NUMBER OF SEQ ID NOS: 5372
SOFTWARE: Proprietary
SEQ ID NO 3446
LENGTH: 25
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TITLE OF INVENTION: Methods of Genetic Analysis of Probes: HG-U133
FILE REFERENCE: 3120
CURRENT APPLICATION NUMBER: US/10/355,577
CURRENT FILING DATE: 2003-01-31
NUMBER OF SEQ ID NOS: 997516
SOFTWARE: Microarray Probe Sequence Listing Generator V 1.1
SEQ ID NO 88370
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TITLE OF INVENTION: Methods of Genetic Analysis of Probes: HG-Ul33
FILE REPERBNCE: 3121
CURRENT APPLICATION NUMBER: US/10/355,577
CURRENT FILING DATE: 2003-01-31
NUMBER OF SEQ ID NOS: 997516
SOFTWARE: Microarray Probe Sequence Listing Generator V 1.1
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Best Local Similarity 100.0%; Pred. No. 1.9e+03;
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GENERAL INFORMATION:
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; Sequence 88370, Application US/10355577
; GENERAL INFORMATION:
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12 GTTTTTCTCGCTG 24
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Best Local Similarity 100.
Matches 13; Conservative
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US-10-355-577-88370
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US-10-355-577-738956
; Sequence 738956
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; Sequence 738956
; Settle Canalysis of Probes: HG-U133; TITLE OF INVENTION: Methods of Genetic Analysis of Probes: HG-U133; FILE REFERENCE: 3121
; CURRENT APPLICATION NUMBER: US/10/355,577
; CURRENT PILING DATE: 2003-01-31
; NUMBER OF SEQ ID NOS: 997516
; SEQ ID NO 738956
; LENGTH: 25
                                                                  Query Match 41.9%; Score 13; DB 9; Length 25; Best Local Similarity 100.0%; Pred. No. 1.9e+03; Matches 13; Conservative 0; Mismatches 0; Indels
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CORGANISM: Homo sapien
US-10-355-577-738956
; ORGANISM: Homo sapien
US-10-355-577-724663
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1: /cgn2_6/ptodata/2/pna/PcTUS_C
2: /cgn2_6/ptodata/2/pna/US06_CC
4: /cgn2_6/ptodata/2/pna/US0806_CC
5: /cgn2_6/ptodata/2/pna/US0806_CS
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                                                                                                         US-08-770-564A-1_COPY_350_380
GenCore version
Copyright (c) 1993 - 2003
                                                                                                                                                                                                                                                                                                         Post-processing: Listing first 45 summaries
                                            - nucleic search, using sw model
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Gapop_60.0 , Gapext 60.0
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337:
339:
440:
442:
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                                                                                                                 Title:
Perfect score:
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                                           OM nucleic
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                                                                                                                                         Sequence:
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                                     pna/US6008
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                                                                                   pna/US6013
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ptodata/2/pna/US6017
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                                                                                                                                                                                                          pna/US6026
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                                                        /prodata/2/
cgn2_6/
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cgn2_6/
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Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

	Description	Sequence 22, Appl	Sequence 18, Appl	Sequence 23, Appl	Sequence 23, Appl	Sequence 22, Appl	Sequence 18, Appl	Sequence 40, Appl	Sequence 22, Appl	Sequence 22, Appl	Sequence 44, Appl	9, A	Sequence 29, Appl	Sequence 28, Appl	Sequence 47, Appl	Sequence 29, Appl	Sequence 34, Appl	Sequence 34, Appl	Sequence 60, Appl	Sequence 25, Appl	Sequence 8, Appli	22
	ID	US-08-272-102-22	US-08-387-524-18	US-08-472-802A-23	US-08-472-802B-23	US-08-482-115A-22	US-08-520-550-18	US-08-521-634-40	US-08-660-678-22	US-09-057-351-22	US-09-259-943-44	US-08-472-802A-29	US-08-472-802B-29	US-08-482-115A-28	US-08-521-634-47	US-09-057-351-29	US-08-387-524-34	US-08-520-550-34	US-09-259-943-60	US-09-259-943-25	US-08-521-634-8	PCT-US99-07886-52
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* 2	Match	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	54.8	54.8	45.2
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Gaps

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Indels

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0; Mismatches

Conservative

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22;
Matches
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                                                                                                                                            Sequence 120845, Sequence 7, Appli Sequence 31, Appli Sequence 34, Appl Sequence 28, Appl Sequence 28, Appl Sequence 21303, A Sequence 28716, A Sequence 28719, A Sequence 287
                                                                                                                    Sequence 120843,
                                          Sequence 52, Ap
Sequence 120839
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Sequence 2876
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MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/272,102
FILING DATE: 07-JUL-1994
CLASSIFICATION: 435
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   CORRESPONDENCE ADDRESS:
ADDRESSEE: Townsend and Townsend Khourie and Crew STREET: 379 Lytton Avenue
   PCT-US99-07886-52

1 US-09-058-968-52

1 US-60-233-620-120843

1 US-60-233-620-120845

1 US-60-233-620-120845

1 US-09-404-520-38793

1 US-09-601-267-34

1 US-09-601-267-34

1 US-09-601-267-34

1 US-09-601-2594-080

1 US-09-956-604-28714

2 US-09-956-604-28716

2 US-09-956-604-28719
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US-09-956-604A-28714
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NAME: Smith, William M
REGISTRATION NUMBER: 30,233
REFERENCY/DOCKET NUMBER: 15389-000800
TELECOMMUNICATION INFORMATION:
TELEPHONE: (415) 326-2400
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     ALIGNMENTS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                APPLICANT: FENG, Junii
APPLICANT: FUNK, Walter
APPLICANT: ANDREWS, William H.
ITLE OF INVENTION: HUMAN TELOMERASE
NUMBER OF SEQUENCES: 24
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Sequence 22, Application US/08272102 GENERAL INFORMATION: APPLICANT: VILLEPONTEAU, Bryant
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             VILLEPONTEAU, Bryant
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INFORMATION FOR SEQ ID NO: 22:
SEQUENCE CHARACTERISTICS:
LENGTH: 30 Dase pairs
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           single
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CITY: Palo Alto
STATE: California
COUNTRY: US
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        TYPE: nucleic acid
STRANDEDNESS: sing
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US-08-272-102-22
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Length 30;

71.0%; Score 22; DB 6; 100.0%; Pred. No. 0.068;

Query Match Best Local Similarity

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                                                                                                                                                                                                                                           APPLICANT: Feng, Junii
APPLICANT: Funk, Walter
APPLICANT: Funk, Walter
APPLICANT: Greider, Carol
APPLICANT: Villeponteau, Maria A. B.
APPLICANT: Villeponteau, Bryant
TITLE OF INVENTION: RNA Component of Telomerase
NUMBER OF SEQUENCES: 42
CORRESPONDENCES: ADDRESSE: Hamilton, Brook, Smith & Reynolds, P.C.
STREET: Two Militia Drive
CITY: Lexington
STATY: Lexington
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    WEDIUM TYPE: FIDEPPY disk
COMPUTER: IBM PC compatible
COMPUTER: IBM PC compatible
COMPUTER: IBM PC compatible
COMPUTER: IBM PC compatible
COURENT GASTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/387,524
FILING APPLICATION: 435
RIOR APPLICATION WHERE: US/08/330,123
PRIOR APPLICATION NUMBER: US/08/330,123
PRIOR APPLICATION NUMBER: US/08/330,123
PRIOR APPLICATION NUMBER: US/08/320,102
PRIOR APPLICATION NUMBER: US/08/272,102
PRIOR APPLICATION NUMBER: US/08/272,102
PRIOR APPLICATION PATA:
ANTONEY/AGENT NUMBER: US/08/272,102
PRIOR APPLICATION PATA:
ANTONEY/AGENT NUMBER: US/08/272,102
ANTONEY/AGENT NUMBER: US/08/272,102
ANTONEY/AGENT NUMBER: US/08/272,102
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71.0%; Score 22; DB 7; Le
Best Local Similarity 100.0%; Pred. No. 0.068;
Matches 22; Conservative 0; Mismatches 0;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    32,227
FR: CSHL94-05A3
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US-08-472-802A-23/c
; Sequence 23, Application US/08472802A
; GENERAL INFORMATION:
; APPLICANT: Villeponteau, Bryant
; APPLICANT: Feng, Junil
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 1 CTCCCCGCGCGCTGTTTTCTC 22
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                                                                                                                                                                         Sequence 18, Application US/08387524
GENERAL INFORMATION:
APPLICANT: Andrews, William H.
                                                                                                                                                                                                                                   Andrews, William H. Avilion, Ariel A.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        TELECOMMUNICATION INFORMATION TELEPHONE: 617-861-6240
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      , MOLECULE TYPE: DNA (genomic) US-08-387-524-18
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         NAME: Granahan, Patricia
REGISTRATION NUMBER: 32,
REFERENCE/DOCKET NUMBER:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       TELEFAX: 617-861-9540
INFORMATION FOR SEQ ID NO:
SEQUENCE CHARACTERISTICS:
LENGTH: 30 base pairs
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    TYPE: nucleic acid
STRANDEDNESS: single
1 CTCCCCCCCCCCCCCTCT
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COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy
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                                                                                                                                                      US-08-387-524-18/c
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   CITY: I
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Gaps
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MEDIUM TYPE: Floppy disk
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/482,115A
FILING DATE: 07-JUN-1995
CLASSIFICATION: 435
PRIOR APPLICATION NUMBER: US 08/330,123
PRIOR DATE: 27-OCT-1994
PRIOR DATE: 07-JUL-1994
ATTORNEY/AGENT INFORMATION:
NAME: SMITCH WIlliam M
NAME: SMITCH WILLIAM M
NAME: MATCH WILLIAM M
NAME: MATCH MAT
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Sequence 22. Application US/08482115A
GENERAL INFORMATION:
APPLICANT: VILLEPONTRAU, Bryant
APPLICANT: FUNK, Walter
APPLICANT: FUNK, Walter
TITLE OF INVENTION: HUMAN TELOMERASE
TITLE OF SEQUENCES: 34
CORRESPONDENCE ADDRESS:
ADDRESSEE: Townsend and Crew LLP
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Query Match 71.0%; Score 22; DB 8; Le Best Local Similarity 100.0%; Pred. No. 0.068; Matches 22; Conservative 0; Mismatches 0;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    STREET: Two Embarcadero Center, 8th Floor
CITY: San Francisco
STATE: California
                                         FILING DATE: 07-JUN-1995
CLASSIFICATION: 514
PRIOR APPLICATION DATA:
PRIOR APPLICATION DATA:
PRIOR APPLICATION NUMBER: US 08/272,102
FILING DATE: 07-JUL-1994
APPLICATION NUMBER: US 08/330,123
APPLICATION NUMBER: US 08/330,123
APPLICATION NUMBER: 37-OCT-1994
ATTORNEY/AGENT INFORMATION:
REGISTRATION NUMBER: 30,23
REFERENCE/DOCKET NUMBER: 15389-000820
TELECOMMUNICATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  REFERENCE/DOCKET NUMBER: 15389-000830 TELECOMMUNICATION INFORMATION:
             US/08/472,802B
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 1 CICCCCCCCCCCCCTGITITICIC 22
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              TELEFAX: (415) 576-0300
INFORMATION FOR SEQ ID NO: 23
SEQUENCE CHARACTERISTICS:
LENGTH: 30 base pairs
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   (415) 576-0200
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 (415) 326-2400
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
             APPLICATION NUMBER:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               MOLECULE TYPE: DNA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            US-08-482-115A-22/c
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   TELEPHONE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             US-08-472-802B-23
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               TELEFAX:
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      ठ
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                                                                                                                                                                                                                                             ALDERSEE: TWO EMBARCAGERO CENTER, BIGHTH FLOOR STREET: Two Embarcadero Center, Eighth Floor CITY: San Francisco STATE: California COUNTRY: USA
ZIP: 94111-3834
COMPUTER READABLE FORM:
MEDIUM TYPE: FOLDPDY disk
COMPUTER: IBM PC COMPATIBLE
OFFRAMING SYSTEM: PC-DOS/MS-DOS
SOFFWARE: PATORIL RC-BOS/MS-DOS
SOFFWARE: PATORIL RC-BOS/MS-DOS
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/472,802A
FILING DATE: 07-JUN-1995
CLASSIFICATION NUMBER: US/08/72,102
FILING DATE: 07-JUL-1994
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/272,102
FILING DATE: 07-JUL-1994
RIOR APPLICATION NUMBER: US 08/310,123
APPLICATION NUMBER: US 08/310,123
APPLICATION NUMBER: US 08/310,123
APPLICATION NUMBER: US 08/310,123
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Sequence 23, Application US/08472802B
Sequence 23, Application US/08472802B
Sequence 23, Application US/08472802B
Sequence 23, Application US/08472802B
SEDECANT: Villeponteau, Bryant
APPLICANT: Andrews, Unli
APPLICANT: Andrews, William H.
TITLE OF INVENTION: Mammalian Telomerase
NUMBER OF SEQUENCES: 43
CORRESPONDENCE ADDRESS:
ADDRESSE: Townsend and Townsend and Crew LLP
STREET: Two Embarcadero Center, Eighth Floor
CITY: San Francisco
STATE: California
COUNTRY: USA
ZIP: 94111-3834
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SUSTWARE: PATENTING SYSTEM: PC-DOS/MS-DOS
SUSTWARE: PATENTING SYSTEM: PATENTING SYST
                                                                                                                                                                                                                 E: Townsend and Townsend and Crew LLP
Two Embarcadero Center, Eighth Floor
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  0.068;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               NAME: Storella, John R.
REGISTRATION NUMBER: 32,944
REGISTRATION NUMBER: 32,944
REPERENCE/DOCKET NUMBER: 15389-000820
TELEPHONE: (415) 576-0200
TELEPAX: (415) 576-0300
INFORMATION FOR SEQ ID NO: 23:
SEQUENCE CHARACTERISTICS:
LENGTH: 30 base pairs
Funk, Walter
Andrews, William H.
VENTION: Mammalian Telomerase
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Query Match 71.0%; Soc
Best Local Similarity 100.0%; Pi
Matches 22; Conservative 0;
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CURRENT APPLICATION DATA:
                                                                                  TITLE OF INVENTION: Mammanumber OF SEQUENCES: 40
CORRESPONDENCE ADDRESS:
ADDRESSEE: Townsend an
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   nucleic acid
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US-08-472-802A-23
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APPLICANT: Feng, Junia
APPLICANT: Punk, Walter
APPLICANT: Andrews, William
TITLE OF INVENTION: Mammalian Telomerase
NUMBER OF SEQUENCES:
CORRESPONDENCE ADDRESS:
ADDRESSER: Townsend and Townsend and Crew
STREET: One Market Plaza, Steuart Tower, Suite 2000
CITY: San Francisco
STATE: California
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Length 30;
  Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 CURRENT APPLICATION DATA:
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/521,634
FILING DATE: 13-AUG-1995
CLASSIFICATION 1435
FILING APPLICATION TABER: US/08/521,634
FILING DATE: 1-AUG-1995
FILING APPLICATION NUMBER: US/08/482,115
FILING DATE: 7-UN-1995
FILING DATE: 7-UN-1995
FILING APPLICATION NUMBER: US/08/472,802
FILING APPLICATION NUMBER: US/08/472,802
FILING APPLICATION NUMBER: US/08/430,123
FILING APPLICATION NUMBER: US/08/430,123
FILING APPLICATION NUMBER: US/08/430,123
FILING APPLICATION NUMBER: US/08/430,123
FILING APPLICATION NUMBER: US/08/430,102
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  71.0%; Score 22; DB 9;
100.0%; Pred. No. 0.068;
cive 0; Mismatches
  0; Mismatches
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US-08-660-678-22/c
; Sequence 22, Application US/08660678
                                                                                                                                                                                                                 Sequence 40, Application US/08521634 GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         IBM PC compatible
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   34,587
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           TELECOMMUNICATION INFORMATION:
TELEPHONE: 415-326-2400
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      ZIP: 94105
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    REFERENCE/DOCKET NUMBER:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Query Match 71.0
Best Local Similarity 100.
Matches 22; Conservative
       Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       NAME: Dunn, Tracy J. REGISTRATION NUMBER:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     INFORMATION FOR SEQ ID NO
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 COMPUTER: IBM PC OPERATING SYSTEM:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             linear
         22;
         Matches
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                                                                                                                                                                                                                      Ouery Match 71.0%; Score 22; DB 8; Length 30; Best Local Similarity 100.0%; Pred. No. 0.068; Matches 22; Conservative 0; Mismatches 0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              MEDIUM TIPE: FIDDRY GIBE

COMPUTER: IBM PC compatible

OPERATING SYSTEM: PC-DOS/MS-DOS

SOFTWARE: Patentin Release #1.0, Version #1.30

CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/520,550

FILING DATE: 29-MG-1995

CLASSIFICATION: 435

PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/387,524

FILING DATE: 13-FEB-1995

PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/330,123

FILING DATE: 27-OCT-1994

PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/272,102

FILING DATE: 07-UL-1994

ATTORNEY/AGENT INFORMATION:
NAME: Granahan, Patricia

REGISTRATION NUMBER: 32,227

REGISTRATION NUMBER: 32,227

REFERENCE/DOCKET NUMBER: CSHL94-05A3B

TELECOMMUNICATION INFORMATION:
TELEEPHONE: 617-661-6240
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          B: Hamilton, Brook, Smith & Reynolds, P.C.
Two Militia Drive
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     APPLICANT: Villeponteau, Bryant
TITLE OF INVENTION: RNA Component of Telomerase
NUMBER OF SEQUENCES: 43
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  71.0%; Score 22;
100.0%; Pred. No.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Feng, Junli
Funk, Walter
Greider, Carol
Marhuenda, Maria A. B.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Application US/08520550
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Andrews, William H. Avilion, Ariel A.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  ZIP: 02173
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compati
            INFORMATION FOR SEQ ID NO:
SEQUENCE CHARACTERISTICS:
LENGTH: 30 base pairs
TYPE: nucleic acid
STRANDENESS: single
TOPOLOGY: linear
MOLECULE TYPE: DNA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           TELEFAX: 617-861-9540
INFORMATION FOR SEQ ID NO:
SEQUENCE CHARACTERISTICS:
LENGTH: 30 base pairs
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           LENGTH: 30 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         CORRESPONDENCE ADDRESS:
ADDRESSEE: Hamilton,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Query Match
Best Local Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Lexington
                                                                                                                                                                                 US-08-482-115A-22
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0.068;
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COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.30
                                                                           APPLICATION NUMBER: US/09/057,351
FILING DATE: 08-APR-1994
CLASSIFICATION WHERE: US/09/057,351
FILING DATE: 08-APR-1994
FIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/272,102
FILING DATE: 07-ULL-1994
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/472,802
FILING DATE: 27-OCT-1994
PRIOR APPLICATION NUMBER: US 08/472,802
FILING DATE: 07-UN-1995
ATTORNEY/AGENT INFORMATION:
NAME: SECENIA, OBD. R.
REGISTRATION NUMBER: 32,944
REFERENCE/DOCKET NUMBER: 015389-000821US
TELECOMMUNICATION NUMBER: 015389-000821US
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   APPLICANT: Avilion, Ariel A.
APPLICANT: Feng, Junli
APPLICANT: Funk, Walter
APPLICANT: Greider, Carol
APPLICANT: Marhuenda, Maria A.B.
APPLICANT: Villeponteau, Bryant
TITLE OF INVENTION: RNA Component of Telomerase
FILE REFERENCE: CSHL94-05A7
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               71.0%; Score ...
100.0%; Pred. No. 0.0ec
.... 0; Mismatches
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EARLIER PILING DATE: 1994-10-27
EARLIER PILING DATE: 1994-07-07
NUMBER OF SEQ ID NOS: 61
SOFTWARE: FattsEQ for Windows Version 3.0
EEQ ID NO 44
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 CURRENT APPLICATION NUMBER: US/09/259,943 CURRENT FILING DATE: 1999-03-01
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EARLIER PILING DATE: 1996-03-28
EARLIER APPLICATION NUMBER: 08/520,550
EARLIER FILING DATE: 1995-08-29
EARLIER PILING DATE: 1995-06-07
EARLIER APPLICATION NUMBER: 08/485,778
EARLIER APPLICATION NUMBER: 08/387,524
EARLIER FILING DATE: 1995-06-07
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Sequence 44, Application US/09259943 GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                 (415) 576-0200
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 APPLICANT: Andrews, William H.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                               TELEFAX: (415) 576-0300
INFORMATION FOR SEQ ID NO: 2
SEQUENCE CHARACTERISTICS:
                                                             CURRENT APPLICATION DATA:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Query Match 71.0
Best Local Similarity 100.
Matches 22; Conservative
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          30 base pairs
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             STRANDEDNESS: single
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            22 CTCCCCGCGCGCC
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          MOLECULE TYPE: DNA US-09-057-351-22
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        linear
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      US-09-259-943-44/c
                                                                                                                                                                                                                                                                                                                                                                                                                                                                 TELEPHONE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        TOPOLOGY:
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                                                                                                                                                                                                                                                                                                                                                                                           SOFTWARE: Patentin Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/660,678
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              STATE: California
COUNTRY: USA
                                                                                                                                                                           Townsend and Townsend and Crew LLP
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     APPLICANT: Villeponteau, Bryant
APPLICANT: Feng, Junia
APPLICANT: Feng, Junia
APPLICANT: Andrews, William H.
TITLE OF INVENTION: Mammalian Telomerase
NUMBER OF SEQUENCES: 42
CORRESPONDENCE ADDRESS:
ADDRESSEE: TOWNSerd
                                                                                                                                                                                           STREET: Two Embarcadero Center, 8th Floor
CITY: San Francisco
STATE: California
COUNTRY: US
                                                                                                                                                                                                                                                                                                                                                                                                                                                                        CLASSIFCATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/330,123
FILING DATE: 27-OCT-1994
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/272,102
FILING DATE: 07-JUL-1994
ATTORNEY/AGENT INFORMATION:
NAME: Smith, William M
REGISTRATION NUMBER: 15389-000811
TELECOMMUNICATION INFORMATION:
                                  APPLICANT: FENG, Junli
APPLICANT: FUNK, Walter
APPLICANT: ANDREWS, William H.
TITLE OF INVENTION: HUMAN TELOMERASE
NUMBER OF SEQUENCES: 25
CORRESPONDENCE ADDRESS:
ADDRESSEE: Townsend and Townsend and
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     1 CICCCCCCCCCCCTGTTTTCTC 22
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Sequence 22, Application US/09057351 GENERAL INFORMATION:
                    LLEPONTEAU, Bryant
                                                                                                                                                                                                                                                                                                                           MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               TELEPHONE: (415) 326-2400
TELEPAX: (415) 326-2422
INFORMATION FOR SEQ 1D NO: 22:
SEQUENCE CHARACTERISTICS:
LENGTH: 30 base pairs
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     ZIP: 94111-3834
COMPUTER READABLE FORM:
MEDIUM TYPE: Ploppy disk
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Query Match
Best Local Similarity 100.
Matches 22, Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               TYPE: nucleic acid
STRANDEDNESS: single
                                                                                                                                                                                                                                                                                                      COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               MOLECULE TYPE: DNA
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                                                                                                                                                                                                                                                                                    ZIP: 94111
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APPLICANT: Villeponteau, Bryant
APPLICANT: Feng, Junil
APPLICANT: Andrews, William H.
TITLE OF INVENTION: Mammalian Telomerase
NUMBER OF SEQUENCES: 43
CORRESPONDENCE ADDRESS:
Sequence 29, Application US/08472802B
GENERAL INFORMATION:
                                                                                                                                                                                                                                                                  COUNTRY:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     셤
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                                                                                                                 Length 30;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        0; Indels
                                                                                                                                                              0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             SOFTWARE: Patentin Release #1.0, Version #1.30 CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/472,802A FILING DATE: 07-JUN-1995 CLASSIPICATION: 514
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        STREE: Townsend and Townsend and Crew LL STREET: Two Embarcadero Center, Eighth Floor CITY: San Francisco STATE: California
COUNTRY: USA
                                                                                                                 DB 16;
0.068;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Score 21; DB 8;
Pred. No. 0.25;
                                   ; FEATURE:
; OTHER INFORMATION: Synthetic oligonucleotides
US-09-259-943-44
                                                                                                                                                                                                                                                                                                                                                                                           APPLICANT: Villeponteau, Bryant
APPLICANT: Feng, Junii
APPLICANT: Funk, Walter
APPLICANT: Andrews, William H.
TITLE OF INVENTION: Mammalian Telomerase
NUMBER OF SEQUENCES: 40
CORRESPONDENCE ADDRESS:
ADDRESSEE: Townsend and Townsend and Crew
STREET: Two Embarcadero Center, Eighth Fl
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                CLASSIFICATION 514
PULDASJIFICATION DATA:
APPLICATION NUMBER: US 08/272,102
FILING DATE: 07-011-1994
FRICR APPLICATION DATA:
APPLICATION NUMBER: US 08/330,123
FILING DATE: 27-06T-1994
ATTORNEY/AGENT INFORMATION:
NAME: Storella, John R.
REFERENCE/DOCKET NUMBER: 15389-000820
TELECOMMUNICATION INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Query Match 67.7%; Score 21; DB Best Local Similarity 100.0%; Pred. No. 0.2 Matches 21; Conservative 0; Mismatches
                                                                                                                 Query Match 71.0%; Score 22; DB Best Local Similarity 100.0%; Pred. No. 0.0 Matches 22; Conservative 0; Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       ZIP: 94111-3834
COMPUTER REALABLE FORM:
MEDIUM TYPE: Flopy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
                                                                                                                                                                                                                                                                                                                                     US-08-472-802A-29/c
; Sequence 29, Application US/08472802A
; GENERAL INFORMATION:
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               ORGANISM: Artificial Sequence
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         TELEFAX: (415) 576-0310
INFORMATION FOR SEQ ID NO: 2
SEQUENCE CHARACTERISTICS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   LENGTH: 28 base pairs
TYPE: nucleic acid
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           STRANDEDNESS: single
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 , MOLECULE TYPE: DNA
US-08-472-802A-29
                                                                                                                                                                Matches
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RESULT 12 US-08-472-802B-29/c

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                                                                                                                                                                                                MEDIUM TIEPE FIDENCY MISS.

COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOCTWARE: Patentin Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/472,802B
FILING DATE: 07-JUN-1995
CLASSIFICATION NUMBER: US/08/22,102
FILING DATE: 07-JUL-1994
PRIOR APPLICATION NUMBER: US 08/22,102
FILING DATE: 07-JUL-1994
ATORNEY/AGENT INFORMATION:
NAME: SALICA NUMBER: US 08/330,123
RECIETATION NUMBER: US 08/330,123
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Sequence 28, Application US/08482115A
GENERAL INFORMATION:
APPLICANT: VILLEPONTEAU, Bryant
APPLICANT: FUNG, Junil
APPLICANT: FUNG, Walter
APPLICANT: FUNG, Walter
APPLICANT: ANDREWS, William H.
ITLE OF INVENTION: HUMAN TELOMERASE
INTHE OF SEQUENCES: 34
CORRESPONDENCE ADDRESS:
ADDRESSEE: Townsend and Townsend and Crew LLP
ADDRESSEE: Townsend and Townsend and Crew LLP STREET: Two Embarcadero Center, Eighth Floor
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Score 21; DB 8;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Two Embarcadero Center, 8th Floor
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         67...
100.08; Pre-
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              67.78;
                                                                                                                         ZIP: 94111-3834
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     TELEFAX: (415) 576-0300 INFORMATION FOR SEQ ID NO: 3 SEQUENCE CHARACTERISTICS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Query Match
Best Local Similarity 100.
Matches 21, Conservative
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COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         San Francisco
California
                           STREET: Two Embarcad
CITY: San Francisco
STATE: California
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                                                                                                         USA
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US-08-482-115A-28/c
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 STREET:
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Gaps
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CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/057,351
FILING DATE: 08-APR-1994
CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US/09/057,351
FILING DATE: 07-JUL-1994
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US/08/272,102
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US/08/330,123
FILING DATE: 07-JUL-1994
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US/08/330,123
ATTORNEY/AGENT INFORMATION:
NAMME: SLOCTELIA, DATE:
NAMME: SLOCTELIA, JOHN R.
REGISTRATION NUMBER: 32,944
REFERENCE/DOCKET NUMBER: 015389-000821US
TIELECOMMUNICATION INFORMATION:
MATERIENCE/DOCKET NUMBER: 015389-000821US
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    GENERAL INFORMATION:
GENERAL INFORMATION:
APPLICANT: Villeponteau, Bryant
APPLICANT: Funk, Walter
APPLICANT: Funk, Walter
APPLICANT: Andrews, William H.
TILE OF INVENTION: Mammalian Telomerase
NUMBER OF SEQUENCES: 42
CORRESPONDENCE ADDRESS:
ADDRESSEE: Townsend and Townsend and Crew LLP
STREET: Two Embarcadero Center, Bighth Floor
CITY: San Francisco
                                                                                                                                                                                                                                                                                                                                                                                                                                                                       DB 9;
                    APPLICATION NUMBER: US 08/272,102
FILING DATE: 7-JUL-1994
ATTORNEY/AGENT INFORMATION:
NAME: Dunn, Tracy J.
REGISTRATION NUMBER: 34,587
REGISTRATION NUMBER: 15389-000850
TELEPROMUNICATION INFORMATION:
TELEPHONE: 415-326-2402
INFORMATION FOR SEQ ID NO: 47:
SEQUENCE CHARACTERISTICS:
LENGTH: 28 Dase pairs
                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Query Match 67.7%; Score 21; DB Best Local Similarity 100.0%; Pred. No. 0.2 Matches 21; Conservative 0; Mismatches
                                                                                                                                                                                                                                                                                                                                                                       TOPOLOGY: linear MOLECULE TYPE: DNA (oligonucleotide)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      ZIP: 94111-3834
COMPUTER REALABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              (415) 576-0200
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   SEQUENCE CHARACTERISTICS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           1 CICCCCCCCCCCCCCTG
       PRIOR APPLICATION DATA:
                                                                                                                                                                                                                                                                                                                           TYPE: nucleic acid
STRANDEDNESS: sing
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     COUNTRY:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   RESULT 15
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STREET: One Market Plaza, Steuart Tower, Suite 2000
CITY: San Francisco
STATE: California
COUNTRY: USA
                                      CURRENT APPLICATION DATA:

POFTWARE Patentin Release #1.0, Version #1.25

CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/08/482,115A

FILING DATE: U7-JUN-1995

CLASSIFICATION: 435

PRIOR APPLICATION DATA:

APPLICATION NUMBER: US 08/330,123

FILING DATE: 27-OCT-1994

PRIOR APPLICATION NUMBER: US 08/722,102

PILING DATE: U7-JUL-1994

ATTORNEY/AGENT INFORMATION:

NAME: SMICH WILLIAM M

REGISTRATION NUMBER: 15389-000830

TELEPHONE: (415) 326-2400

TELEPHONE: (415) 326-2422

INFORMATION FOR SEQ ID NO: 28:
SEQUENCE CHARACTERISTICS:
LENGTH: 28 base pairs

TYPE: nucleic acid

TYPE: TORNEDDIESS: single
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC COMPATIBLE
COMPUTER: IBM PC COMPATIBLE
COMPUTER: IBM PC COMPATIBLE
OPERATING SYSTEM: PC-DS/NS-DOS
SOFFWARE: PatentIn Release #1.0, Version #1.25
CURENT APPLICATION DATA:
APPLICATION NUMBER: US/08/521,634
FLIING DATE: 31-AUG-1995
CLASSIPICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/482,115
FLIING DATE: 7-UN-1995
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/472,802
FLING DATE: 7-UN-1995
PRIOR APPLICATION NUMBER: US 08/472,802
FLING DATE: 7-UN-1995
PRIOR APPLICATION NUMBER: US 08/472,802
FLING DATE: 7-UN-1995
PRIOR APPLICATION NUMBER: US 08/472,802
FLING DATE: 27-OCT-1994
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    APPLICANT: Vileponteau, Bryant
APPLICANT: Feng, Junli
APPLICANT: Funk, Walter
APPLICANT: Andrews, William
TITLE OF INVENTION: Mammalian Telomerase
NUMBER OF SEQUENCES: 66
CORRESPONDENCE ADDRESS:
IBM PC compatible
YSTEM: PC-DOS/MS-DOS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Sequence 47, Application US/08521634 GENERAL INFORMATION:
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Query Match
Best Local Similarity 100.0%; P:
Matches 21; Conservative 0;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           linear
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    TOPOLOGY: linear MOLECULE TYPE: DNA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               US-08-521-634-47/c
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; TYPE: nucleic acid ; STRANDEDNESS: single ; TOPCLOGY: linear ; MOLECULE TYPE: DNA US-09-057-351-29

Query Match 67.7%; Score 21; DB 14; Length 28; Best Local Similarity 100.0%; Pred. No. 0.25; Matches 21; Conservative 0; Mismatches 0; Indels 0; Gaps

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1 CTCCCGGGGGTGTTTTCT 21

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Search completed: June 24, 2003, 18:22:28 Job time: 1340.69 secs Sequence 120100, Sequence 121313, Sequence 84, Appl Sequence 145, App Sequence 12, Appl Sequence 12, Appl

Sequence 84 Sequence 12 Sequence 40

Sequence 118880,

Sequence 2, Appli Sequence 18, Appl Sequence 42, Appl Sequence 51, Appl Sequence 6, Appl Sequence 7, Appl Sequence 237, Appl Sequence 237, Appl Sequence 237, Appl

Sequence 543, P Sequence 543, P Sequence 543, P Sequence 543, P Sequence 543, P

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CONDITAT: U.S.

CONDITAT: U.S.

CONFUTER READABLE FORM:
MEDIUM TYPE: Floppy disk

COMPUTER IBM PC compatible

OPERATING SYSTEM: PC-DOS/MS-DOS

SOFTWARE: Patentin Release #1.0, Version #1.30

CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/057,351

FILING DATE: 04-APR-1994

CLASSIPICATION: 435

PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/272,102

FILING DATE: 07-UL-1994

PRIOR APPLICATION NUMBER: US 08/330,123

FILING DATE: 27-OCT-1994

PRIOR APPLICATION NUMBER: US 08/472,802

FILING DATE: 07-UN-1995

ATTORNEY/AGENT INFORMATION:
NAME: SCORELLA JOHN R.
REGISTRATION NUMBER: 32,944

REGISTRATION NUMBER: 32,944

REGISTRATION NUMBER: 015389-000821US

TELECOMMUNICATION INFORMATION:
TELECOMMUNICATION INFORMATION:
TELECOMMUNICATION INFORMATION:
TELECOMMUNICATION INFORMATION:
TELECOMMUNICATION INFORMATION:
US-10-098-263B-118880
US-10-098-263B-120100
US-10-098-263B-121313
US-10-098-263B-121314
US-09-932-367A-84
US-09-932-367A-84
US-09-9145
US-09-870-159-145
US-09-769-778-145
US-09-769-778-145
US-09-769-778-145
US-09-245-802-129
US-09-245-802-129
US-09-870-162A-40
US-09-870-162A-40
US-09-918-125-2
US-10-238-443-42
US-10-038-443-42
US-10-038-443-42
US-10-044-593-237
US-10-044-592-237
US-10-044-592-237
US-09-978-295A-543
US-09-978-295A-543
US-09-978-295A-543
US-09-978-189-543
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      ADDRESSEE: Townsend and Townsend and Crew LLP STREET: Two Embarcadero Center, Eighth Floor STATE: San Francisco STATE: California COUNTRY: USA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   APPLICANT: Villeponteau, Bryant
APPLICANT: Feng, Junli
APPLICANT: Funk, Walter
APPLICANT: Andrews, William H.
TITLE OF INVENTION: Mammalian Telomerase
NUMBER OF SEQUENCES: 42
CORRESPONDENCE ADDRESS:
                                                                                                                                                                                                                                                                                                                                                                                                                    ALIGNMENTS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Sequence 22, Application US/09057351; Patent No. US20010034439A1; GENERAL INFORMATION:
    US-09-057-351-22/c
                   RESULT 1
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Sequence 1585, Appl
Sequence 170, Appl
Sequence 170, Appl
Sequence 899, Appl
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              98, Appl
17, Appl
84, Appl
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Sequence 29, Appl
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                                                                                                  June 23, 2003, 20:29:49 ; Search time 377.636 Seconds (without alignments) 120.460 Million cell updates/sec
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Sequence 1
Sequence 3
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Sequence Sequence S
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Sequence (
Sequence 1
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                                                                                                                                                                                                                                                                                                                                                                                                                          Published Applications NA:*

1: /cgm2_6/ptodata/2/pubpna/USO7_PUBCOMB.seq:*
2: /cgm2_6/ptodata/2/pubpna/PCT_MW_PUB.seq:*
3: /cgm2_6/ptodata/2/pubpna/USO6_NEW_PUB.seq:*
4: /cgm2_6/ptodata/2/pubpna/USO6_NEW_PUB.seq:*
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14: /cgm2_6/ptodata/2/pubpna/USO0_NEW_PUB.seq:*
                GenCore version 5.1.6
Copyright (c) 1993 - 2003 Compugen Ltd.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    0 US-09-057-351-22

0 US-09-057-351-29

0US-09-93-373-3585

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US-09-932-665-170

US-09-932-367A-89

US-09-932-367A-89

US-09-932-367A-89

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US-09-932-367A-89

US-09-932-367A-89

US-10-175-225-84

US-10-098-263B-18868

US-10-098-263B-18868

US-10-098-263B-18668

US-10-098-263B-18668

US-10-098-263B-18668

US-10-098-263B-18668

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US-10-098-263B-18668
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US-10-098-263B-118879
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US-10-098-263B-60378
                                                                                                                                                                                         1 CTCCCCGCGCGCTGTTTTTCTCGCTGACTTT 31
                                                                                                                                                                                                                                                                                                                       Total number of hits satisfying chosen parameters:
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                                                                                                                                                    US-08-770-564A-1_COPY_350_380
31
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                                                                         nucleic search, using sw model
                                                                                                                                                                                                                                                                                                                                                                                                   Post-processing: Listing first 45 summaries
                                                                                                                                                                                                                     OLIGO NUC
Gapop 60.0 , Gapext 60.0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Query
Match Length DB
                                                                                                                                                                                                                                                                                                                                                     Minimum DB seq length: 0 Maximum DB seq length: 50
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     0
                                                                                                                                                             Title:
Perfect score:
                                                                                                                                                                                                                     Scoring table:
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Word size :
                                                                        OM nucleic
                                                                                                                                                                                                                                                                                                                                                                                                                               Database :
                                                                                                                                                                                            Sequence:
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                                                                                                     Run on:
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APPLICANT: BRIDWELL, Jeanne L.
APPLICANT: BRIDWELL, Jeanne L.
APPLICANT: BRIDWELL, Jeanne L.
APPLICANT: PARKER, Grefchen E.
APPLICANT: PRICE, Jeffrey R.
APPLICANT: SHOWALTER, Aaron D.
APPLICANT: SHOWALTER, Aaron D.
APPLICANT: SLOOP, Kyle W.
TITLE OF INVENTION: GENERATION OF DIAGNOSTIC TOOLS TO ASSAY THE HUMAN
TITLE OF INVENTION: GENERATION OF DIAGNOSTIC TOOLS TO ASSAY THE HUMAN
TITLE OF INVENTION: GENERATION OF DIAGNOSTIC TOOLS TO ASSAY THE HUMAN
TITLE OF INVENTION: LAKE POLICAL LIM AND APPLICATION NUMBER: US/09/932,367A,
CURRENT FILING DATE: 2001-02-17
PRIOR APPLICATION NUMBER: US 60/121,110
SOFTWARE: PatentIN Ver. 2.1
SEQ ID NO 36
LENGTH: 20
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Gaps
Gaps
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OTHER INFORMATION: Description of Artificial Sequence: PCR primer

US-09-932-367A-36
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                                                                                                                                                                                              Sequence 3555, Application US/09969373
; Sequence 3565, Application US/09969373
; Patent No. US20020133852A1
; GENERAL INFORMATION:
    APPLICANT: Effertz, Roger J.
    APPLICANT: Hauge, Brian M.
    TITLE OF INVENTION: Soybean SSRs and Methods of Genotyping
    TILE REPERENCE: 38-10(52679) A
; CURRENT FILING DATE: 2001-10-02
; PRIOR PPLICATION NUMBER: US 09/754,853
; PRIOR PPLICATION NUMBER: US 09/754,853
; PRIOR PPLICATION NUMBER: US 09/760,427
; PRIOR PPLICATION NUMBER: US 09/760,427
; PRIOR PPLING DATE: 2001-01-13
; PRIOR PPLING DATE: 2001-01-13
; RIOR PRILING DATE: 2001-01-15
; RIOR PRILING DATE: 2001-05-15
; NUMBER OF SEQ ID NOS: 4593
; TENGRH 10 03585
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                DB 10; Length 19;
1e+03;
hes 0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Length 20;
0; Indels
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  0; Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   0; Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Sequence 36, Application US/09932367A
Publication No. US20030027152A1
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Best Local Similarity 100.
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  21; Conservative
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CORGANISM: Glycine max
US-09-969-373-3585
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Best Local Similarity
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                                                                                                                                                                                       US-09-969-373-3585
    Matches
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                                                                                                                                                                                                                                          Length 30;
                                                                                                                                                                                                                                                                                         0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         COMPUTER READBLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
COMPUTER: IBM PC compatible
COMPUTER: PACHOL NC-DOS/MS-DOS
SOCTUMARE: PACHOL NC-BOS/MS-DOS
CURRENT APPLICATION DATA:
FILING DATE: 08-APR-1994
CLASSIFICATION: 435
PRIOR APPLICATION: 435
PRIOR APPLICATION DATA:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     ADDRESSEE: Townsend and Townsend and Crew LL:
STREET: Two Embarcadero Center, Eighth Floor
CITY: San Francisco
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     67.7%; Score 21; DB 10; 100.0%; Pred. No. 0.0077;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  PILING DATE: 07-JUN-1995
FILING DATE: 07-JUN-1995
ATTORNEY/AGENT INFORMATION:
NAME: Storella, John R.
REGISTRATION NUMBER: 32,944
REFERENCE/DOCKET NUMBER: 015389-000821US
TELECOMMUNICATION INFORMATION:
TELEBHONE: (415) 576-0006
                                                                                                                                                                                                                                        Query Match 71.0%; Score 22; DB Best Local Similarity 100.0%; Pred. No. 0.0 Matches 22; Conservative 0; Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      APPLICANT: Villeponteau, Bryant
APPLICANT: Feng, Junli
APPLICANT: Funk, Walter
APPLICANT: Andrews, William H.
TITLE OF INVENTION: Mammalian Telomerase
NUMBER OF SEQUENCES: 42
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               APPLICATION NUMBER: US 08/272,102
PILING DATE: 07-JUL-1994
PRICR APPLICATION DATA:
APPLICATION NUMBER: US 08/330,123
FILING DATE: 27-OCT-1994
PRICR APPLICATION DATA:
APPLICATION NUMBER: US 08/472,802
                                                                                                                                                                                                                                                                                                                                       22
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  TELEFAX: (415) 576-0300 INFORMATION FOR SEQ ID NO: 29: SEQUENCE CHARACTERISTICS:
  TELEFAX: (415) 576-0300 INFORMATION FOR SEQ ID NO: SEQUENCE CHARACTERISTICS:
                                                                         ; LENGTH: 30 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: DNA
US-09-057-351-22
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      : 28 base pairs
nucleic acid
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    CORRESPONDENCE ADDRESS:
ADDRESSEE: Townsend
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 tent No. US20010034439A1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            California
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US-09-057-351-29
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Best Local Similarity
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APPLICANT: MEIER, Bradley C.

APPLICANT: PARKER, Gretchen E.

APPLICANT: PRICE, Jeffery R.

APPLICANT: SHOWALTER, Aaron D.

APPLICANT: SHOWALTER, Aaron D.

APPLICANT: SHOWALTER, Aaron D.

TITLE OF INVENTION: GENERATION OF DIAGNOSTIC TOOLS TO ASSAY THE HUMAN

TITLE OF INVENTION: GENERATION OF DIAGNOSTIC TOOLS TO ASSAY THE HUMAN

FILE REPRENCE: 05384-5003

CURRENT PILING DATE: 2001-08-17

PRIOR PILING DATE: 2001-08-17

PRIOR APPLICATION NUMBER: US 60/121,110

PRIOR PILING DATE: 1999-02-22

NUMBER OF SEQ ID NOS: 113

SOFTWARE: PALENTIN Ver. 2.1

SEQ ID NO 89

LENGTH: 28
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                , OTHER INFORMATION: Description of Artificial Sequence: PCR primer US-09-932-367A-98
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              ), OTHER INFORMATION: Description of Artificial Sequence:PCR primer US-09-932-367A-89
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Score 12; DB 9;
Pred. No. 1e+03;
0; Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       APPLICANT: SHOWALTER, ABLON D.
APPLICANT: SLOOP, Kyle W.
TITLE OF INVENTION: GENERATION OF DIAGNOSTIC TO
TITLE OF INVENTION: GENERATION OF DIAGNOSTIC TO
TITLE OF INVENTION: LHX3/P-LIM/LIM-3 FACTOR
FILE REFERENCE: 053884-503
CURRENT FILING DATE: 2001-08-17
PRIOR APPLICATION NUMBER: DCT/US00/04424
PRIOR APPLICATION NUMBER: CCT/US00/04424
PRIOR PILING DATE: 1999-02-22
NUMBER OF SEQ ID NOS: 113
SOFTWARE: PATCHING DAYE: 1999-02-22
NUMBER OF SEQ ID NOS: 113
SOFTWARE: PATCHING DAYE: 2010
SEQ ID NO 98
LENGTH: 28
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  US-09-932-367A-98/c
; Sequence 98, Application US/09932367A
; Publication No. US20030027152A1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        APPLICANT: RHODES, Simon J.
APPLICANT: BRIDWELL, Jeanne L.
APPLICANT: MEIER, Bradley C.
APPLICANT: PARKER, Gretchen E.
APPLICANT: PRICE, Jeffrey R.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Query Match 38.7%; Best Local Similarity 100.0%; Matches 12; Conservative 0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                  TYPE: DNA
ORGANISM: Artificial Sequence
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     ORGANISM: Artificial Sequence
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Best Local Similarity
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    Gaps
                                                                                                                                                                                                                                                                  APPLICATION: KAIA PAIN
TITLE OF INVENTION: PROFILING TUMOR SPECIFIC MARKERS FOR THE
TITLE OF INVENTION: DIAGNOSIS AND TREATMENT OF NEOPLASTIC DISEASE
FILE REFERENCE: CEMINES. 002A
CURRENT APPLICATION NUMBER: US/09/992,665
CURRENT PILING DATE: 2000-11-13
PRIOR APPLICATION NUMBER: 60/249,508
PRIOR PLING DATE: 2000-11-16
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Publication No. US2030104410A1
GENERAL INFORMATION:
TITLE OF INVENTION: Human Microarray
FILE REFERENCE: 3118.1
CURRENT APPLICATION NUMBER: US/10/098,263B
CURRENT FILING DATE: 2003-01-08
PRIOR FILING DATE: 2001-01-08
PRIOR FILING DATE: 2001-03-16
NUMBER OF SEQ ID NOS: 131066
SOFTWARE: Microarray Probe Sequence Listing Generator V 1.1
LENGTH: 25
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            DB 9; Length 25;
1e+03;
hes 0; Indels
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  0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Query Match 38.7%; Score 12; DB Best Local Similarity 100.0%; Pred. No. 1e+Matches 12; Conservative 0; Mismatches
0; Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                           NUMBER OF SEQ ID NOS: 380
SOFTWARE: FastSEQ for Windows Version 4.0
SEQ ID NO 170
LENGTH: 25
                                                                                                                                                                              5-09-992-665-170/c
Sequence 170, Application US/09992665
Publication No. US20030092009A1
GENERAL INFORMATION:
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              ORGANISM: Artificial Sequence
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Query Match
Best Local Similarity 100.0
....hes 12, Conservative
12; Conservative
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                                             1 CICCCGCGCGC 12
                                                                     18 CTCCCGCGCGC 7
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         CTHER INFORMATION: Probe US-09-992-665-170
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               ; TYPE: DNA
; ORGANISM: Homo sapien
US-10-098-263B-48907
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             US-10-098-263B-48907
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US-09-932-367A-89/c
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           TYPE: DNA
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Matches
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US-10-098-263B-36074

US-10-098-263B-36074

Sequence 36074, Application US/10098263B

PUBLICACHON NO. US20030104410A1

GENERAL INFORMATION:

APPLICANT: Mittman, Michael

FITLE OF INVERTION: Human Microarray

FILE REFERENCE: 3118.1

CURRENT APPLICATION NUMBER: US/10/098,263B

CURRENT APPLICATION NUMBER: 00/276,759

PRIOR FILING DATE: 2001-03-16

NUMBER OF SEQ ID NOS: 131066

SOFTWARE: Microarray Probe Sequence Listing Generator V 1.1

SEQ ID NO 36074
         CURRENT APPLICATION NUMBER: US/10/098,263B
CURRENT FILING DATE: 2003-01-08
PRIOR APPLICATION NUMBER: 60/276,759
PRIOR FILING DATE: 2001-03-16
NUMBER OF SEQ ID NOS: 131066
SOFTWARE: Microarray Probe Sequence Listing Generator V 1.1
SEQ ID NO 15754
LENGTH: 25
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             NUMBER OF SEQ ID NOS: 131066
SOFTWARE: Microarray Probe Sequence Listing Generator V 1.1
SEQ ID NO 18868
LENGTH: 25
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Pred. No. 3.8e+03;
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                                                                                                                                                                                                                                                                                   Score 11; DB 9;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Sequence 18868, Application US/10098263B
Publication No. US20030104410A1
GENERAL INFORMATION:
APPLICANT: WILLMAN, Michael
TITLE OF INVENTION: Human Microarray
FILE REFERENCE: 3118.1
CURRENT APPLICATION NUMBER: US/10/098, 263B
CURRENT FILLING DATE: 2003-01-08
PRIOR PILLING DATE: 2001-03-16
                                                                                                                                                                                                                                                                                                                              0; Mismatches
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100.0%; El.
                                                                                                                                                                                                                                                                                   35.5%; {
100.0%;
                                                                                                                                                                                                                                                                                   Query Match
Best Local Similarity 100
Matches 11; Conservative
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CORGANISM: Homo sapien
US-10-098-263B-36074
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                                                                                                                                                                                              TYPE: DNA
CORGANISM: Homo sapien
US-10-098-263B-15754
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Best Local Similarity
FILE REFERENCE: 3118.1
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Matches 11; Conserv
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                                                                                                                                                  APPLICANT: Lewis, No. US20020174452Alman
APPLICANT: Lewis, No. US20020174452Alman
APPLICANT: Davin, Laurence
APPLICANT: Huang, Ning
APPLICANT: Huang, Ning
TITLE OF INVENTION: Monocot Seeds with Increased Lignan
TITLE OF INVENTION: Content
FILE REPERENCE: WSUN117981
FULE REPERENCE: WSUN117981
FULE OF INVENTION NUMBER: US 60/230,632
FRICR FILING DATE: 2000-09-07
NUMBER OF SEQ ID NOS: 49
SEQ ID NO 17
LENGTH: 43
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Length 43;
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TITLE OF INVENTION: METHODS FOR DETECTION OF ATAXIA
TITLE OF INVENTION: TELANGIECTASIA MUTATIONS
FILE REFERENCE: UCO78.001DVJ
CURRENT APPLICATION NUMBER: US/10/175,225
FURRENT FILING DATE: 2002-08-23
FRIOR APPLICATION NUMBER: US 09/360,416
PRIOR FILING DATE: 1999-07-23
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            35.5%; Score 11; DB 9; Le 100.0%; Pred. No. 3.8e+03; Live 0; Mismatches 0;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Query Match 38.7%; Score 12; DB Best Local Similarity 100.0%; Pred. No. 1e+ Matches 12; Conservative 0; Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                NUMBER OF SEQ ID NOS: 143
SOFTWARE: FastSEQ for Windows Version 4.0
SEQ ID NO 84
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Sequence 15754, Application US/10098263B Publication No. US20030104410A1 GENERAL INFORMATION:
APPLICANT: Mittman, Michael TITLE OF INVENTION: Human Microarray
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Sequence 84, Application US/10175225 Publication No. US20030082582A1 GENERAL INFORMATION:
                                                                                       Sequence 17, Application US/09944160 Patent No. US20020174452A1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                   TYPE: DNA ORGANISM: Artificial Sequence
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Best Local Similarity 100.
Matches 11; Conservative
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; ORGANISM: Human
US-10-175-225-84
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Sequence 47761
Sequence Listing Generator V 1.1
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Publication No. US20030104410A1
GENERAL INFORMATION:
TITLE OF INVENTION: Human Microarray
FILE REFERENCE: 3118.1
CURRENT APPLICATION NUMBER: US/10/098,263B
CURRENT FILING DATE: 2003.01-08
FRIOR PFLING DATE: 2001.03-16
NUMBER OF SEQ ID NOS: 131066
SOFTWARE Microarray Probe Sequence Listing Generator V 1.1
LENGTH: 25
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Query Match 35.5%; Score 11; DB 9; Length 25; Best Local Similarity 100.0%; Pred. No. 3.8e+03; Matches 11; Conservative 0; Mismatches 0; Indels
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Best Local Similarity 100.
Matches 11; Conservative
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                                   4 CCCGCGCGCTG 14
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CORGANISM: Homo sapien
US-10-098-263B-47761
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; ORGANISM: Homo Bapien
US-10-098-263B-48908
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US-10-098-263B-47761/c
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US-10-098-263B-48908
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Query Match 71.0
Best Local Similarity 100.
Matches 22; Conservative
STRANDEDNESS: single
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CITY: Palo Alto
STATE: California
                                                                                                                                                                                                                                                                                                                                                                                                                   TOPOLOGY: linear
MOLECULE TYPE: DNA
                       RESULT 1
US-08-330-123A-22/c
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                                         June 23, 2003, 19:12:24 ; Search time 29.719 Seconds (without alignments) 319.896 Million cell updates/sec
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(c) 1993 - 2003 Compugen Ltd.
                                                                  US-08-770-564A-1_COPY_350_380
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US-08-482-115B-22
US-08-660-678A-22
US-08-485-778-18
US-08-485-778-18
US-08-520-550A-18
US-08-520-550A-18
US-08-998-443-22
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US-09-580-517-22
US-08-482-115B-28
US-08-472-802C-29
US-08-485-778-34
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3-08-089-996-21
3-08-089-996-22
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US-08-578-615A-22
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                             nucleic search, using sw model
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Gapop_60.0 , Gapext 60.0
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Match Length
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88.7
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Perfect score:
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Gaps
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: ISM PC compatible
COMPTITE: ISM PC compatible
COMPTITE: ISM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/330,123A
FILING DATE: 27-OCT-1994
CLASSIPICATION: 435
PRIOR APPLICATION NUMBER: US 08/272,102
FILING DATE: 07-UL-1994
ATTORNEY/AGENT INFORMATION:
NAME: Smith, William M
REGISTRATION NUMBER: 30,223
REFERENCE/DOCKET NUMBER: 15389-000810
TELECOMMUTICATION INFORMATION:
TELECOMMUTICATION INFORMATION:
TELECOMMUTICATION INFORMATION:
TELECOMMUTICATION INFORMATION:
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US-08-829-637A-21
US-08-829-637A-22
US-09-254-322-22
US-09-254-322-22
PCT-US93-02213-22
PCT-US94-0770-22
PCT-US94-0770-22
US-08-564-989-8
US-08-54-470-12
US-08-954-470-12
US-09-129-855A-12
US-09-444-053-39
US-09-444-053-39
US-09-306-405-68
US-09-306-405-68
US-09-306-405-68
US-09-36-405-68
US-09-36-405-68
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                  APPLICANT: VILLEPONTEAU, Bryant
APPLICANT: FBNG, Junii
APPLICANT: FUNK, Walter
APPLICANT: ANDREWS, William H.
TITLE OF INVENTION: HUMAN TELOMERASE
CORRESPONDENCE ADDRESS:
                                                                                                                                                                                                                                                                                                                                                                                                                  ; Sequence 22, Application US/08330123A; Patent No. 5583016; GENERAL INFORMATION:
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100.0%; Pre
0; }
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      TELEPHONE: (415) 326-240
TELEFAX: (415) 326-242
INFORMATION FOR SEQ ID NO: 2
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      SEQUENCE CHARACTERISTICS:
LENGTH: 30 base pairs
TYPE: nucleic acid
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Length 30;
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APPLICANT: Feng, Junia
APPLICANT: Feng, Junia
APPLICANT: Feng, Junia
APPLICANT: Feng, Junia
APPLICANT: Greider, Carol
APPLICANT: Marhuenda, Marie Antonia Blasco
APPLICANT: Marhuenda, Maria Antonia Blasco
APPLICANT: Marhuenda, Maria Antonia Blasco
APPLICANT: Marhuenda, Maria Antonia Blasco
APPLICANT: Walleponteau, Bryant
TITLE OF INVENTION: RNA COMPONENT OF TELOMERASE
NUMBER OF SEQUENCES: 45
CORRESPONDENCE ADDRESS:
ADDRESSEE: Hamilton, Brook, Smith & Reynolds, P.C.
STREET: Two Militia Drive
CITY: Learington
STATE: MA
                                                                                                                                                                                                                            COUNTRY. CALL STATE COUNTRY. USA

ZIP: 94111-3834

COUNTRY: USA

ZIP: 94111-3834

COMPUTER READABLE FORM:

MEDIUM TYPE: Flogby disk

COMPUTER: IBM PC compatible

OPERATING SYSTEM: PC-DOS/MS-DOS

SOFTWARE: PATENTIN Release #1.0, Version #1.30

CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/08/660,678A

FILING APPLICATION TATA:

APPLICATION NUMBER: US 08/330,123

FILING DATE: 27-OCT-1994

PRICA APPLICATION NUMBER: US 08/272,102

FILING DATE: US-OUT-1994

ATTOMNEY/AGENTINFORMATION:

ANNERSY OF TATAL TOWNEY T
                                                                                                   Townsend and Crew LLP
                            NUMBER OF SEQUENCES: 30
CORRESPONDENCE ADDRESS:
STABEL: Townsend and Townsend and Crew Lile
STREET: Two Embarcadero Center, Eighth Floor
CITY: San Francisco
CITY: San Francisco
COUNTRY: USA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           NAME: Storella, John R.
REGISTRATION NUMBER: 32,944
REFERENCE/DOCKET NUMBER: 015389-000811US
TELECOMMUNICATION INFORMATION:
TELEPHONE: (415) 576-0200
IITLE OF INVENTION: Mammalian Telomerase
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Sequence 18, Application US/08485778
Patent No. 5876979
GENERAL INFORMATION:
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MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
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INFORMATION FOR SEQ ID NO: 2
SEQUENCE CHARACTERISTICS:
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Best Local Similarity 100.0
Matches 22; Conservative
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US-08-660-678A-22
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    셤
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                                                                                                                                                                                                                                                                                                                                              APPLICANT: Villeponteau, Bryant
APPLICANT: Feng, Junli
APPLICANT: Feng, Junli
APPLICANT: Funce, Walter
APPLICANT: Andrews, Walter
TITLE OF INVENTION: Assays for the RNA Component of Human
TITLE OF INVENTION: Telomerase
NUMBER OF SEQUENCES: 40
CORRESPONDENCE ADDRESS:
ADDRESSEE: Townsend and Townsend and Crew LLP
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Query Match 71.0%; Score 22; DB 1; Length 30; Best Local Similarity 100.0%; Pred. No. 0.0016; Matches 22; Conservative 0; Mismatches 0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   OFFRAING STSTEM:
CURRENT APPLICATION DATA:
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/482,115B
FILING DATE: 07-JUN-1995
CLASSITCATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/272,102
FILING DATE: 07-JUL-1994
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/330,123
FILING DATE: 27-OCT-1994
ATTORNEY/AGENT INFORMATION:
NAME: Storella, John R.
REFERENCE/DOCKET NUMBER: 015389-000830US
TELECOMMUNICATION NUMBER: 32,944
REFERENCE/DOCKET NUMBER: 356-0200
TELECHONE: (415) 576-0200
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  ADDRESSEE: Townsend and Townsend and Crew LLP STREET: Two Embarcadero Center, Eighth Floor CITY: San Francisco STATE: California COUNTY: USA ZIP: 94111-3834 COUNTYR: USA ZIP: Ploppy disk COMPUTER READABLE FORM: MEDIUM TYPE: Floppy disk COMPUTER: IBM PC compatible OPERATING SYSTEM: PC-DOS/MS-DOS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Sequence 22, Application US/08660678A Patent No. 5837857 GENERAL INFORMATION:
                                                                                                                                                                                                              US-08-482-115B-22/c
; Sequence 22, Application US/08482115B
Patent No. 5776679
; GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              22 crecededecerarrarere 1
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Feng, Junli
Funk, Walter
Andrews, William H.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                TELEFAX: (415) 576-0300
INFORMATION FOR SEQ ID NO: 2
SEQUENCE CHARACTERISTICS:
LENGTH: 30 base pairs
TYPE: nucleic acid
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               MOLECULE TYPE: DNA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           STRANDEDNESS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  US-08-660-678A-22/c
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APPLICANT:
APPLICANT:
APPLICANT:
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Length 30;
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APPLICANT: Avilion, Ariel A.
APPLICANT: Feng, Junil
APPLICANT: Feng, Junil
APPLICANT: Greider, Carol
APPLICANT: Marhuenda, Maria A. B.
APPLICANT: Warhuenda, Maria A. B.
APPLICANT: Villeponteau, Bryant
TITLE OF INVENTION: RNA Component of Telomerase
NUMBER OF SEQUENCES: 47
CORRESPONDENCE ADDRESS:
ADDRESSEE: Hamilton, Brook, Smith & Reynolds, P.C.
STREET: Two Militia Drive
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                COMPUTER READABLE FORM:

MEDIUM TYPE: Floppy disk
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: U$/08/520,550A
FILING DATE: 29-AUG-1995
CLASSIPICATION: 435
PRIOR APPLICATION ADATA:
APPLICATION NUMBER: U$ 08/387,524
FILING DATE: 13-FEB-1995
PRIOR APPLICATION DATA:
APPLICATION NUMBER: U$ 08/330,123
FILING DATE: 27-CCT-994
PRIOR APPLICATION DATA:
APPLICATION NUMBER: U$ 08/272,102
FILING DATE: 07-UL-1994
ATTORNEY/AGENT INFORMATION:
NAME: Granahan, Patricia
REGISTRATION NUMBER: 32,227
REFERENCE/DOCKET NUMBER: CSHL94-05A3B
TELEPHONE: 617-661-6440
                                                                                                                                                                                                                                                                                                                                       71.0%; Score 22; DB 2; 1
100.0%; Pred. No. 0.0016;
tive 0; Mismatches 0
                 REFERENCE/DOCKET NUMBER: 15389-000820
TELECOMMUNICATION INFORMATION:
TELEPHONE: (415) 576-0200
TELEPAX: (415) 576-0300
INFORMATION FOR SEQ ID NO: 23:
SEQUENCE CHARACTERISTICS:
LENGTH: 30 base pairs
TYPE: nucleic acid
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Sequence 18, Application US/08520550A, Patent No. 6013468, GENERAL INFORMATION:
30,223
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                INFORMATION FOR SEQ ID NO: 18: SEQUENCE CHARACTERISTICS:
                                                                                                                                                                                                                                                                                                                   Query Match
Best Local Similarity 100.
                                                                                                                                                                                                                                                                                                                                                                                                                                           1 CTCCCCGCGCGCTG7
REGISTRATION NUMBER:
                                                                                                                                                                                                                                        ; TOPOLOGY: linear; MOLECULE TYPE: DNA US-08-472-802C-23
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          CITY: Lexington STATE: MA
                                                                                                                                                                                                                 STRANDEDNESS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   RESULT 6
US-08-520-550A-18/c
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          0; Indels
          GOFTWARE: Patentin Release #1.0, Version #1.30
GURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/485,778
FILING DATE: 07-JE-1995
CLASSIFICATION 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/387,524
FILING DATE: 13-FEB-1995
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/330,123
FILING DATE: 27-OCT-1994
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/330,123
FILING DATE: 27-OCT-1994
FILING DATE: 07-OCT-1994
APPLICATION NUMBER: US 08/272,102
FILING DATE: 07-OCT-1994
ATTORNEY/AGENT INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     WEDIUM TYPE: FIDPPY disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOCTWARE: PatentIn Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/472,802C
FILING DATE: 07-JUN-1995
CLASSIFICATION NUMBER: US 08/22,102
PRIOR APPLICATION NUMBER: US 08/22,102
PRIOR APPLICATION NUMBER: US 08/320,123
FILING DATE: 07-JUL-1994
APPLICATION NUMBER: US 08/330,123
FILING DATE: 27-OCT-1994
ATTORNEY/AGENT INFORMATION:
NAME: Smith, William M.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        GENERAL INFORMATION:
APPLICANT: Villeponteau, Bryant
APPLICANT: Villeponteau, Bryant
APPLICANT: Villeponteau, Bryant
APPLICANT: Andrews, William H.
TITLE OF INVENTION: Mammalian Telomerase
NUMBER OF SEQUENCES: 44
NUMBER OF SEQUENCES: 44
STREET: Two Embarcadero Center, Bighth Floor
CITY: San Francisco
STARE: California
COUNTRY: USA
ZIP: 94111-3834
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            DB 2; L
0.0016;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Query Match 71.0%; Score 22; DB Best Local Similarity 100.0%; Pred. No. 0.0 Matches 22; Conservative 0; Mismatches
                                                                                                                                                                                                                                                                                                                                                                                NAME: Grandhan, Patricia
REGISTRATION NUMBER: 32,227
REPERENCE/OCKET NUMBER: CSHL94-05A4
TELEPANICATION INFORMATION:
TELEPAN: 617-861-6240
INFORMATION FOR SEQ ID NO: 18:
SEQUENCE CHARACTERISTICS:
LENGTH: 30 base pairs
ITYRE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     US-08-472-802C-23/c
; Sequence 23, Application US/08472802C
; Patent No. 5958680
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US-09-060-523-22/c
; Sequence 22, Application US/09060523
; Patent No. 6258535
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                                                                                                                                                                                                                                                                                                                 STREET:
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                                                                                                                                               Gaps
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                                                                                          Query Match 71.0%; Score 22; DB 3; Length 30; Best Local Similarity 100.0%; Pred. No. 0.0016; Matches 22; Conservative 0; Mismatches 0; Indels
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                                                                                                                                                                                                                                                                                                                                                                                                                              APPLICANT: Villeponteau, Bryant
APPLICANT: Villeponteau, Bryant
APPLICANT: Feng, Juni
APPLICANT: Funk, Walter
APPLICANT: Andrews, William H.
TITLE OF INVENTION: Mammalian Telomerase
NUMBER OF SEQUENCES: 30
CORRESPONDENCE ADDRESS:
ADDRESSEE: Townsend and Townsend and Crew LLP
STREET: Two Embarcadero Center, Eighth Floor
CITY: San Francisco
STATE: California
COUWRY: USA
ZIP: 94111-3834
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    COMPOTER READABLE FORM:

COMPOTER FRADABLE FORM:

COMPUTER: IBM PC compatible

OPERATING SYSTEM: PC-DOS/MS-DOS

SOFTWARE: Patentin Release #1.0, Version #1.30

CURRATT APPLICATION DATA:

APPLICATION NUMBER: US/08/998,443
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          CLUASIFICATION:
PRIOR APPLICATION:
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/60,678
FILING DATE: 05-UNN-1996
APPLICATION NUMBER: US 08/330,123
FILING DATE: 27-CCT-1994
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/272,102
FILING DATE: 07-ULL-1994
ATTORNEY/AGENT INFORMATION:
NAME: SECRETALION NUMBER: 32,944
REFERENCE/DOCKET NUMBER: 32,944
REFERENCE/DOCKET NUMBER: 32,944
REFERENCE/DOCKET NUMBER: 015389-000811US
TELEPHONE: (415) 576-0200
TELEPHONE: (415) 576-0200
INFORMATION FOR SEQ ID NO: 22:
SEQUENCE CHARACTERISTICS:
LENGTH: 30 base pairs
                                                                                                                                                                                               TCTC 22
                                                                                                                                                                                                                                                                                                                                          US-08-998-443-22/c
; Sequence 22, Application US/08998443
Patent No. 6054575
; GENERAL INFORMATION:
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; STRANDEDNESS: single
; TOPOLOGY: linear
US-08-520-550A-18
                                                                                                                                                                                               1 CICCCGCGCGCGCTG1
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STRANDEDNESS: sing
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     ; MOLECULE TYPE: DNA
US-08-998-443-22
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                FILING DATE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              ઠે
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                                                                                                                                                                                                                                                                                                                                                                                                                           SOFTWARE: Patentin Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/060,523
FILING DATE: 14-APR-1998
CLASSIFICATION: 536
GENERAL INFORMATION:
APPLICANT: Villeponteau, Bryant
APPLICANT: Feng, Junil
APPLICANT: Funk, Waller
APPLICANT: Andrews, William H.
TITLE OF INVENTION: Mammalian Telomerase
NUMBER OF SEQUENCES: 25
CORRESSED: Townsend and Townsend and Crew LLP
                                                                                                                                                                                                                 Two Embarcadero Center, Eighth Floor
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     015389-000813US
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TITLE OF INVENTION: HUMAN TELOMERASE
NUMBER OF SEQUENCES: 25
CORRESPONDENCE ADDRESS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   CLASSIFICATION: 536
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/660,678
FILING DATE: 05-JUN-1996
PRIOR APPLICATION NUMBER: US 08/330,123
FILING DATE: 27-OCT-1994
PRIOR APPLICATION NUMBER: US 08/272,102
FILING DATE: 07-JUL-1994
ATTORNEY/AGENT INFORMATION:
NAME: Storella, John R.
REGISTRATION NUMBER: 32,944
REFERENDE JOCKET NUMBER: 32,944
TELECOMMUNICATION NUMBER: 32,944
TELECOMMUNICATION NUMBER: 32,944
TELECOMMUNICATION NUMBER: 015389-0008
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    RESULT 9
US-09-580-517-22/c
; Sequence 22, Application US/09580517
; Patent No. 6320039
; GENERAL INFORMATION:
. APPLICANT: VILLEPONTEAU, Bryant
FENG, Junit
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       TTTCTC 22
                                                                                                                                                                                                                                                                                                         ZIP: 94111-3834
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      22 crcccccccccccrcrrrrrrr
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TELEFAX: (415) 576-0300
INFORMATION FOR SEQ ID NO: 22:
SEQUENCE CHARACTERISTICS:
LENGTH: 30 base pairs
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                FENG, Junli
FUNK, Walter
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Best Local Similarity 100.0
Matches 22; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       TYPE: nucleic acid
STRANDEDNESS: single
                                                                                                                                                                                                                                         CITY: San Francisco
STATE: California
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    linear
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     ; MOLECULE TYPE: DNA
US-09-060-523-22
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Length 28;
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COUNTRY: USA.
ZIP: 9411-3834
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM FORM:
COMPUTER: DATEN: PC-DOS/MS-DOS
SOFTWARE: PATENT PC-DOS/MS-DOS
CURRENT APPLICATION DATA:
CURRENT APPLICATION DATA:
TLING DATE: 07-JUN-1995
TLING DATE: 07-JUN-1995
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       GENERAL INFORMATION:
APPLICANT: Villeponteau, Bryant
APPLICANT: Feng, Junii
APPLICANT: Andrews, William H.
TITLE OF INVENTION: Mammalian Telomerase
NUMBER OF SEQUENCES: 44
CORRESPONDENCE ADDRESS:
ADDRESSEE: Townsend and Townsend and Crew LLP
STREET: Two Embarcadero Center, Eighth Floor
CITY: San Francisco
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Score 21; DB 1;
Pred. No. 0.0054;
                                                                                                                                                                                                       015389-000830US
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REPERENCE/DOCKET NUMBER: 15389-000820
TELECOMMUNICATION INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/272,102
FILING DATE: 07-0UL-1994
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/330,123
FILING DATE: 27-0CT-1994
ATTORNEY/AGENT INFORMATION:
NAME: Smith, William M.
REGISTRATION NUMBER: 30,223
                US 08/272,102
                                                                                 US 08/330,123
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              RESULT 11
US-08-472-802C-29/c
Sequence 29, Application US/08472802C
; Patent No. 5958680
                                                                                                    FILING DATE: 27-OCT-1994
ATTORNEY/AGENT INFORMATION:
NAME: Storella, John R.
REGISTRATION NUMBER: 32,944
REPERENCE/DOCKET NUMBER: 0153
TELECOMMUNICATION INFORMATION:
                                                                                                                                                                                                                                           TELEPHONE: (415) 576-0200
TELEFAX: (415) 576-0300
INFORMATION FOR SEQ ID NO: 28:
SEQUENCE CHARACTERISTICS:
LENGTH: 28 base pairs
TYPE: nucleic acid
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          TELEPHONE: (415) 576-0200
TELEPAX: (415) 576-0300
INFORMATION FOR SEQ ID NO: 29
SEQUENCE CHARACTERISTICS:
                                      FILING DATE: 07-JUL-1994
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  1 CTCCCCCCCCCCCCTGT
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nucleic acid
                APPLICATION NUMBER:
                                                                                                                                                                                                                                                                                                                                                                                                         TOPOLOGY: linear; MOLECULE TYPE: DNA US-08-482-1158-28
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Best Local Similarity
Matches 21; Conserv
                                                                                                                                                                                                                                                                                                                                                                                   STRANDEDNESS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Query Match
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APPLICANT: Feng, Junii
APPLICANT: Funk, Walter
APPLICANT: Andrews, William H.
TITLE OF INVENTION: Assays for the RNA Component of Human
TITLE OF INVENTION: Telomerase
                                                                                                                          COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NAMBER: US/09/580,517
FILING DATE: 25-May-2000
CLASSIFICATION: <underween
              ADDRESSEE: Townsend and Townsend Khourie and Crew
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Query Match 71.0%; Score 22; DB 4; Length 30; Best Local Similarity. 100.0%; Pred. No. 0.0016; Matches 22; Conservative 0; Mismatches 0; Indels
                                                                                                                                                                                                                                                                                                                                                       PRIOR APPLICATION DATA:

APPLICATION NUMBER: 08/330,123
FILING DATE: «Unknown»
ATTORNEY/AGENT INFORMATION:
NAME: Smith, William M
REGISTRATION NUMBER: 30,223
REFERENCE/DOCKET NUMBER: 15389-000810
TELECOMMUNICATION INFORMATION:
TELEPHONE: (415) 326-2400
TELEFAX: (415) 326-2420
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          SOFTWARE: Patentin Release #1.0, Version #1.30 CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/482,115B FILING DATE: 07-JUN-1995
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Townsend and Townsend and Crew LLP
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             NUMBER OF SEQUENCES: 40
CORRESPONDENCE ADDRESS:
ADDRESSEB: Townsend and Townsend and Crew LL
STREET: Two Embarcadero Center, Eighth Floor
CITY: San Francisco
STATE: California
COUNTRY: USA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   MOLECULE TYPE: DNA
SEQUENCE DESCRIPTION: SEQ ID NO: 22:
US-09-580-517-22
CITY: 379 Lytton Avenue CITY: Palo Alto STATE: California COUNTRY: US
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Sequence 28, Application US/08482115B Patent No. 5776679 GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           LENGTH: 30 base pairs
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      STRANDEDNESS: single
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           INFORMATION FOR SEQ ID NO: 22
SEQUENCE CHARACTERISTICS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                TOPOLOGY: linear
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            1 CICCCCCCCCCCCCCCTCI
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MEDIUM TYPE: Floppy
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CLASSIFICATION: 435
PRIOR APPLICATION DATA:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         94111-3834
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US-08-482-115B-28/c
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Sequence 34, Application US/08520550A
               10 GCGCTGTTTTCTCGCTGACT 30
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                                                                                                                                           Patent No.
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                                                                                                                                           Gaps
                                                                                               Score 21, DB 2; Length 28;
Pred. No. 0.0054;
0; Mismatches 0; Indels
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  CORRESPONDENCE ADDRESS:
ADDRESSEE: Hamilton, Brook, Smith & Reynolds, P.C. STREET: Two Militia Drive
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     COMPUTER: IEM PC compatible
COMPUTER: DESCRIPTION PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.30
                                                                                                                                                                                                                                                                                                                                                                                                                                                            APPLICANT: Greider, Carol
APPLICANT: Marhuenda, Maria Antonia Blasco
APPLICANT: Villeponteau, Bryant
TITLE OF INVENTION: RNA COMPONENT OF TELOMERASE
ORDERACES: 45
                                                                                                                 100.0%; Pred. ...
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              SCHWARE: Patentin Release #1.0, Ver-
SCHWARE: Patentin Release #1.0, Ver-
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/485,778
FILING DATE: 07-UB-1995
RIOR APPLICATION ATA:
APPLICATION NUMBER: US 08/387,524
FILING DATE: 13-FEB-1995
PRIOR APPLICATION NUMBER: US 08/330,123
FILING DATE: 27-OCT-1994
FILING DATE: 27-OCT-1994
FILING DATE: 07-ULL-1994
ATTORNEY AGENT INFORMATION:
APPLICATION NUMBER: US 08/272,102
FILING DATE: 07-ULL-1994
ATTORNEY AGENT INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      NAME: Granahan, Patricia
REGISTRATION NUMBER: 32,227
REPERENCE/DOCKET NUMBER: CSHL94-05A4
TELECOMUNICATION INFORMATION:
TELEPHONE: 617-861-6240
TELEFRAX: 617-861-9540
                                                                                                                                                                                                                                                                                                                                Sequence 34, Application US/08485778
Patent No. 5876979
GENERAL INFORMATION:
APPLICANT: Andrews, William H.
                                                                                                                                                                                       1 CTCCCCGCGCGCTGTTTTCT 21
                                                                                                                                                                                                                                                                                                                                                                                               Andrews, William H.
Avilion, Ariel Athena
Feng, Junli
Funk, Walter
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  TELEFAX: 617-861-9540
INFORMATION FOR SEQ ID NO: 34:
SEQUENCE CHARACTERISTICS:
LENGTH: 30 base pairs
TYPE: nucleic acid
TYPE: nucleic acid
                                                                                                    67.78;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          ZIP: 02173
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
                                                                                               Query Match
Best Local Similarity 100.
Matches 21; Conservative
STRANDEDNESS: single
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       linear
                   TOPOLOGY: linear MOLECULE TYPE: DNA
                                                             US-08-472-802C-29
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     ; TOPOLOGY:
US-08-485-778-34
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               COUNTRY:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Query Match
Best Local 3
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Score 21; DB 3; Length 30;
Pred. No. 0.0054;
0; Mismatches 0; Indels
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                     OFFWAING SYSTEM:
CURRENT APPLICATION DATA:
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/520,550A
FILING DATE: 29-4UG-1995
CLASSIFICATION: 435
PRIOR APPLICATION THER: US/08/387,524
FILING DATE: 13-FEB-1995
PRIOR APPLICATION NUMBER: US 08/387,524
FILING DATE: 13-FEB-1995
PRIOR APPLICATION NUMBER: US 08/330,123
FILING DATE: 27-0CT-1994
PRIOR APPLICATION NUMBER: US 08/272,102
FILING DATE: US 08/272,102
FILING DATE: US 08/272,102
FILING DATE: US 08/272,102
FILING DATE: US 08/272,102
RAPLICATION NUMBER: US 08/272,102
RAPLICATION NUMBER: US 08/272,102
RAPLICATION NUMBER: US 08/272,102
RAPLICATION NUMBER: US 08/272,102
REFERENCE/DOCKET NUMBER: US 08/272,103
                                                                                                                                                 APPLICANT: Villeponteau, Bryant
TITLE OF INVENTION: RNA Component of Telomerase
NUMBER OF SEQUENCES: 47
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 GENERAL INFORMATION: APPLICANT: Nicholas Dean, C. Frank Bennett
                                                                                                                                                                                                                                                                                                                                                                                                       MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
                                                                                                                           Marhuenda, Maria A. B.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         67.7%; Scc.
100.0%; Pre
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Patent No. 5703054
Andrews, William H.
Avilion, Ariel A.
Feng, Junil
Funk, Walter
Greider, Carol
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            TELECOMMUNICATION INFORMATION:
TELEPHONE: 617-861-6240
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Query Match
Best Local Similarity 100.
Matches 21; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    INFORMATION FOR SEQ ID NO: SEQUENCE CHARACTERISTICS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                LENGTH: 30 base pairs
                                                                                                                                                                                                                   CORRESPONDENCE ADDRESS:
ADDRESSEE: Hamilton,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           TYPE: nucleic acid. STRANDEDNESS: single
                                                                                                                                                                                                                                                                                                                                                      ZIP: 02173
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          TOPOLOGY: linear
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            US-08-089-996-21/c
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Matches 21; Conservative

Similarity

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38.7%; Score 12; DB 1; Length 20;
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                                  PRIOR APPLICATION DATA:

PRIOR APPLICATION DATA:

APPLICATION NUMBER: 852,852

FILING DATE: March 16, 1992

ATTORNEY/AGENT INFORMATION:

NAME: Rebecca Ralph Gaumond

REGISTRATION NUMBER: 35,152

REFERENCE/DOCKET NUMBER: 1515-1154

TELECOMMUNICATION INFORMATION:

TELEFAX: (215) 568-3100

TELEFAX: (215) 568-3101

TELEFAX:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Search completed: June 24, 2003, 16:54:55 Job time: 30.719 secs
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Best Local Similarity
             CLASSIFICATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Matches
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Sequence 22, Application US/08089996

Fatent No. 5703054

GENERAL INFORMATION:

APPLICANT: Nicholas Dean, C. Frank Bennett

TITLE OF INVENTION: Gligonuclectide Modulation of Protein

TITLE OF INVENTION: Kinase C

NUMBER OF SEQUENCES: 62

CORRESPONDENCE ADDRESS: 62

CORRESPONDENCE ADDRESS: 62

ADDRESSEE: MacAcock Washburn Kurtz

COUNTRY: USA

STATE: PA

COUNTRY: USA

ZIP: 19103

COMPUTER: IBM PS/2

COMPUTER: BISKETTE, 3.5 INCH, 1.44 MD STORAGE

COMPUTER: POLODS

SOFTWARE: WORDPERFECT 5.1

CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/08/089,996

FILING DATE: 19930709
TITLE OF INVENTION: Oligonucleotide Modulation of Protein TITLE OF INVENTION: Kinase C
NUMBER OF SEQUENCES: 62
CORRESPONDENCE ADDRESS:
ADDRESSEE: Woodcock Washburn Kurtz
ADDRESSEE: Mackiewicz & No. 5703054ris
STREET: One Liberty Place - 46th Floor
CITY: Philadelphia
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Query Match 38.7%; Score 12; DB 1; Length 20; Best Local Similarity 100.0%; Pred. No. 3.7e+02; Matches 12; Conservative 0; Mismatches 0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                      COMPUTER READABLE FORM:

MEDIUM TYPE: 1910

COMPUTER READABLE FORM:

MEDIUM TYPE: DISKETTE, 3.5 INCH, 1.44 Mb STORAGE

COMPUTER: DEM FS/2

OPERATING SYSTEM: PC-DOS

SOFTWARE: WORDPERFECT 5.1

CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/08/089,996

FILING DATE: 19930709

CLASSIFICATION: 435

PRIOR APPLICATION ADTA:

APPLICATION NUMBER: 852,852

FILING DATE: March 16, 1992

ATTORNEY/AGENT INFORMATION:

NAME: Rebeca Ralph Gaumond

REGISTRATION NUMBER: 35,152

ATTORNEY/AGENT INFORMATION:

NAME: Rebeca Ralph Gaumond

REGISTRATION NUMBER: 35,152

TELECOMMUNICATION INFORMATION:

TELECOMMUNICATION INFORMATION:

TELEPHONE: (215) 568-3439

INFORMATION FOR SEQ ID NO: 21:

SEQUENCE CHARACTERICS:

LENGTH: 20
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
NATL-SENSE: yes
US-08-089-996-21
                                                                                                                                                                                                                                                                                                                                                                                     USA
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                                                                                                                                                                                                                                                                                                                                                                                COUNTRY:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           RESULT 15
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Human protein kina
Human protein kina
Human PKC-beta typ
Human pKC-beta typ
Human protein kina
Human pKC-beta typ
Mammalian lik3 PCR
Human protein kina
Human protein kina

Word size :

Searched:

Sequence:

Database :

nucleic

Run on:

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RNA component; human; telomerase; lung fibroblast; cell line WI-38; recombinant production; synthesis; mutant; detection; mammalian; identification; modulating agent; neoplastic condition; transcriptional regulatory sequence; gene therapy; disease; polymerase chain reaction; antisense plasmid; PCR primer; ss.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 component of human telomerase antisense plasmid PCR primer G1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              ALIGNMENTS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  AAA92110
AAA92119
AAZ12490
AAL38427
AAS98338
AAS98343
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AAX83653
AAX83654
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AAA92056
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AAX19147
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ABL90875
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AAA82997
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                      AAS98336
                                                         AAQ49677
                                                                                                                     AAQ97895
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                                                                                                                                                                             AAV35521
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94US-0272102.
94US-0330123.
95US-0472802.
4444499966000000000000004474110444
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  \begin{array}{c} \mathbf{c} \ \mathbf{
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27-OCT-1994;
07-JUN-1995;
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AAT10298;
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'1:
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Primer used for an
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Mouse telomerase R
Mouse telomerase R
Tick derived cyste
Borrelia burgdorfe
Mouse telomerase R
                                                                                                                                                     (without alignments)
594.960 Million cell updates/sec
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  N Geneseq 101002:*

1: /SIDS2/gcgdata/geneseq/geneseqn-embl/NA1980.DAT:*

2: /SIDS2/gcgdata/geneseq/geneseqn-embl/NA1981.DAT:*

3: /SIDS2/gcgdata/geneseq/geneseqn-embl/NA1981.DAT:*

4: /SIDS2/gcgdata/geneseq/geneseqn-embl/NA1981.DAT:*

5: /SIDS2/gcgdata/geneseq/geneseqn-embl/NA1981.DAT:*

7: /SIDS2/gcgdata/geneseq/geneseqn-embl/NA1985.DAT:*

8: /SIDS2/gcgdata/geneseq/geneseqn-embl/NA1985.DAT:*

9: /SIDS2/gcgdata/geneseq/geneseqn-embl/NA1981.DAT:*

10: /SIDS2/gcgdata/geneseq/geneseqn-embl/NA1981.DAT:*

11: /SIDS2/gcgdata/geneseq/geneseqn-embl/NA1981.DAT:*

12: /SIDS2/gcgdata/geneseq/geneseqn-embl/NA1991.DAT:*

13: /SIDS2/gcgdata/geneseq/geneseqn-embl/NA1992.DAT:*

14: /SIDS2/gcgdata/geneseq/geneseqn-embl/NA1992.DAT:*

15: /SIDS2/gcgdata/geneseq/geneseqn-embl/NA1992.DAT:*

16: /SIDS2/gcgdata/geneseq/geneseqn-embl/NA1999.DAT:*

17: /SIDS2/gcgdata/geneseq/geneseqn-embl/NA1999.DAT:*

18: /SIDS2/gcgdata/geneseq/geneseqn-embl/NA1999.DAT:*

19: /SIDS2/gcgdata/geneseq/geneseqn-embl/NA1999.DAT:*

20: /SIDS2/gcgdata/geneseq/geneseqn-embl/NA1999.DAT:*

21: /SIDS2/gcgdata/geneseq/geneseqn-embl/NA1999.DAT:*

22: /SIDS2/gcgdata/geneseq/geneseqn-embl/NA1999.DAT:*

23: /SIDS2/gcgdata/geneseq/geneseqn-embl/NA1999.DAT:*

23: /SIDS2/gcgdata/geneseq/geneseqn-embl/NA1999.DAT:*

23: /SIDS2/gcgdata/geneseq/geneseqn-embl/NA2001A.DAT:*

24: /SIDS2/gcgdata/geneseq/geneseqn-embl/NA2001B.DAT:*

25: /SIDS2/gcgdata/geneseq/geneseqn-embl/NA2001B.DAT:*

24: /SIDS2/gcgdata/geneseq/geneseqn-embl/NA2001B.DAT:*

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24: /SIDS2/gcgdata/geneseq/geneseqn-embl/NA2001B.DAT:*
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                                                                                                                                June 23, 2003, 10:14:29 ; Search time 117.339 Seconds
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                5.1.6
Compugen Ltd
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                                                                                                                                                                                                                                                                                                                                                       2185239 segs, 1125999159 residues
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                  GenCore version (c) 1993 - 2003
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                                                                                             nucleic search, using sw model
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AAT11043
AAT11059
AAZ33130
AAZ07291
AAZ07294
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AAAZ07294
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Gapop_60.0 , Gapext 60.0
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712222
71220
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Minimum DB seq length: 0 Maximum DB seq length: 50
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Match
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Hammerhead ribozym Human cdc37 nuclei cdk6 ribozyme bind Cell-cycle depende

Andrews WH, Feng J, Funk W, Villeponteau B;

(GERO-) GERON CORP.

Result Š. 9679

Human Lhx-3 gene P Human Lhx3 PCR pri Human Lhx3 PCR pri PCR primer used to

Oligonucleotide pr Galanin receptor g Galanin receptor g

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                                                                                                                                                                                                                                                                                                                                                                                                                                       Gaps
                                                                                                                      The present sequence is a PCR primer for a RNA component of human telomerase (RCHT), antisense plasmid. RCHT was derived from a genomic DNA library obtd. from the human lung fibroblast cell line WI-38. The RCHT can be used in the recombinant prodn. of an active telomerase mol., capable of adding sequences to chromosomal DNA telomerase, and in the synthesis of mutant sequences for the detection of mutant mammalian telomerase RNA component polynucleotides. The RCHT may also be used in the identification of telomerase modulating agents, and in the detection of telomerase related, or neoplastic conditions in a patient. Polynucleotides of at least 25 consecutive nucleotides identical, or complementary to the RCHT sequence linked to heterologous
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      RNA components of (non)human mammalian telomerase(s) - useful in studying cell senescence and immortalisation
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Telomerase; mammal; antisense; triplex forming oligonucleotide; plasmid; probe; primer; ribozyme; ss.
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                                                                                                                                                                                                                                                                                                                     transcriptional regulatory sequences, can be used for the gene therapy of human diseases.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Primer for production of telomerase antisense oligonucleotide.
                                           RNA component of mammalian telomerase, esp. human - useful in identifying e.g. candidate telomerase-modulating agents
                                                                                                                                                                                                                                                                                                                                                                                                    71.0%; Score 22; DB 17; Length 30; 100.0%; Pred. No. 0.0061; tive 0; Mismatches 0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Feng J, Funk W, Greider C;
                                                                                                                                                                                                                                                                                                                                                                       Seguence 30 BP; 13 A; 6 C; 11 G; 0 U; 0 other;
                                                                                            Example 8; Page 80; 114pp; English
                                                                                                                                                                                                                                                                                                                                                                                                                                                                      1 CTCCCCGCGCGCTGTTTTCTC 22
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              COLD-) COLD SPRING HARBOR LAB
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    AAT11043 standard; DNA; 30 BP
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94US-0272102.
94US-0330123.
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Marhuenda MA, Villeponteau B;
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                                                                                                                                                                                                                                                                                                                                                                                                                                      22; Conservative
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               WPI; 1996-097581/10
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Best Local Similarity
Matches 22; Conserv
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07-JUL-1994;
27-OCT-1994;
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The RNA components of (non) human mammalian telomerase(s) especially from mouse, rat and chinese hamster are all claimed. Antisense oligonucleotides can be used to block the activity of the telomerase; probes and primers can be used in detection; vectors and host cells transformed with the isolated telomerase genes can be used for production of telomerases; RNA and DNA ribozymes and triplex forming oligonucleotides directed against the telomerase genes can be used therapeutically as can plasmids. A mouse which lacks the
         from mouse, rat and chinese hamster are all claimed. Antisense oligonucleotides can be used to block the activity of the coligonucleotides can be used to block the activity of the telomerase; probes and primers can be used in detection; vectors and host cells transformed with the used in detection; vectors and host cells transformed with the localed telomerase genes can be used for production of telomerases; RNA and DNA ribozymes and triplex forming oligonucleotides directed against the telomerase genes can be used therapeutically as can plasmids. A mouse which lacks the telomerase gene (also claimed) can be used for study of telomere regulation in vivo, and the role it plays in immortalisation. Three primers (AATI1040, AATI1043, AATI1044) were used to produce antisense expression plasmids. AATI1040 was used alongside both AATI1043 and AATI1044 to produce two different antisense molecules.
                                                                                                                                                                                                                                                                                                                                                           Gaps
The RNA components of (non) human mammalian telomerase(s) especially
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 RNA components of (non)human mammalian telomerase(s) - useful in studying cell senescence and immortalisation
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Telomerase; mammal; antisense; triplex forming oligonucleotide; plasmid; probe; primer; ribozyme; ss.
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0
                                                                                                                                                                                                                                                                                                                    Score 22; DB 17; Length 30;
Pred. No. 0.0061;
0; Mismatches 0; Indels
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Primer used for amplifying telomerase RNA fragments.
                                                                                                                                                                                                                                                                                   Seguence 30 BP; 13 A; 6 C; 11 G; 0 U; 0 other;
                                                                                                                                                                                                                                                                                                    71.0%; SCC. No. v. 100.0%; Pred. No. v. 0; Mismatches
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Marhuenda MA, Villeponteau B;
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                                                                                                                                                                                                                                                                                                                                                                                                1 CTCCCCGCGCGCTGTTTTCTC 22
                                                                                                                                                                                                                                                                                                                                                                                                                      22 CTCCCCGCGCGCTGTTTTCTC 1
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 AAT11059 standard; DNA; 30 BP.
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                                                                                                                                                                                                                                                                                                                                          Local Similarity
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07-JUL-1994;
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The present invention describes novel Treponema pallidum genes. These genes encode a glycerophosphodiester phosphodiesterase (Gpd), a D15/Gma87 homologue, and proteins with homology to major outer sheath (Msp) proteins of T. denticola. Also described are: (1) an isolated protein capable of inducing a protective immunologic response to T. p. pallidum, T. p. pertenne, or T. p. endemicum, when administered in an effective amount to an animal host; (2) a method of identifying a T. p. pallidum vaccine candidate; (3) a method of inducing a T. p. pallidum vaccine candidate; (1) a method of inducing a T. p. subspecies pallidum, T. p. subspecies pertenne or T. p. subspecies pallidum, T. p. subspecies pertenne or T. p. subspecies candinical sendencum; and (5) a method of determining whether a first and a second clinical isolate of T. p. pallidum are the same or different. The proteins are used, either alone or in combination, in vaccines against Treponemal diseases. He methods may be used to identify vaccine other Treponemal diseases. The methods may be used to identify vaccine candidates, and to determine the origin of a treponemal nucleic acid.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Novel proteins useful in vaccines against syphilis and other treponemal
                                                                                                                                                                                                                               Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                nema pallidum, syphilis, vaccine, treponemal disease, Msp,
sheath protein, bejal, gingivitis, periodontal disease, pinta,
               regulation in vivo, and the role it plays in immortalisation.

Four primers (AAT11057, AAT11058 and AAT11059, AAT11060) which are complementary to human telomerase RNA component sequences can be used to identify and amplify homologous sequences from other non-human mammals. The amplified fragments can then be used as probes to identify telomerase genes.
 can be used for study of telomere
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                                                                                                                                                                                  DB 17; Length 30;
0.022;
hes 0; Indels
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                                                                                                                                                                            Query Match
Best Local Similarity 100.0%; Pred. No. v.v.
Matches 21; Conservative 0; Mismatches
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                                                                                                                                                                                                                                                                                               10 GCGCTGTTTTTCTCGCTGACT
 telomerase gene (also claimed)
                                                                                                                                                                                                                                                                                                                                                                                               AAZ33130 standard; DNA; 22 BP.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     yaws; PCR primer; ss.
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Treponema pallidum.
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The invention relates to promoter regions from mouse and human telomerase RNA (TR) component genes. The TR gene promoter can be linked to a heterologous gene, especially a gene encoding a cytotoxin, for the rapy of cancer, especially neoplasias. The telomerase is necessary for the unrestricted proliferative capacity of many human cancers. Mutation or dysregulation of the telomerase expression pathway may cause cactivation or upregulation of telomerase expression in cancer. Substances, identified in the methods, can be used to block transcription from the TR gene promoter through interaction of the 5' regulatory sequences. These substances, e.g. antisense oligonucleotides, canscription factors, peptide nucleic acids and factors that disrupt signal transduction, are useful for cancer therapy. In particular, gene therapy vectors (sepecially poffs2-codAupp) comprising the promoter and a ciral thymidine kinase gene can be used to convert a prodrug, e.g. gancyclovir, so that neoplasia can be controlled or treated. Direct down-regulation of telomerase RNA gene through manipulation of telomerase RNA gene through manipulation of the telomerase of the angine of the brown of the cloning of the convert and and the cloning of the brown of the cloning of the convert and coloning of the brown of the cloning of the convert and coloning of the convert and coloning of the convert and coloning the promoter the coloning of the convert and coloning the promoter and coloning the convert and coloning the coloni
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AAZ33104 to AAZ33156, and AAY52773 to AAY52831, represent sequences used in the exemplification of the present invention.
                                                                                                                                                                               Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  i) TR; promoter; cytotoxin; cancer; neoplasia; terc;
thymidine kinase gene; anticancer therapy; mouse;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Mouse and human telomerase RNA gene promoters, useful for tumor
                                                                                                                                                                               ;
                                                                                                                            Length 22;
                                                                                                                                                                            0; Indels
                                                                                                                            Score 14; DB 20; Pred. No. 1.6e+02;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Mouse telomerase RNA gene specific primer mTRr1.
                                                                          Sequence 22 BP; 1 A; 6 C; 4 G; 11 T; 0 other;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Seguence 20 BP; 6 A; 5 C; 7 G; 2 T; 0 other;
                                                                                                                                                                            Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      (CANC-) CANCER RES CAMPAIGN TECHNOLOGY.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Disclosure, Fig 6; 109pp; English.
                                                                                                                          45.2%; Sco
100.0%; Pr
tive 0; I
                                                                                                                                                                                                                                                                                                                                                                                      AAZ07291/c
ID AAZ07291 standard; DNA; 20 BP.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      99WO-GB00308.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         98GB-0001902
                                                                                                                                                                                                                              15 TITITCICGCIGAC 28
                                                                                                                                                                                                                                                                                 TTTTTCTCGCTGAC 15
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                22-OCT-1999 (first entry)
                                                                                                                                                                            14; Conservative
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           WPI; 1999-479183/40.
                                                                                                                            Query Match
Best Local Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Telomerase RNA;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               gene therapy;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 WO9938964-A2
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    29-JAN-1999;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      29-JAN-1998;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     PCR primer;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    05-AUG-1999.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Synthetic.
                                                                                                                                                                                                                                                                                                                                                                                                                                                             AAZ07291;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Keith WN;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Mus sp.
                                                                                                                                                         Best Loca
Matches
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20 TTCTCGCTGACTT

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The invention relates to promoter regions from mouse and human telomerase RNA (TR) component genes. The TR gene promoter can be linked telomerase RNA (TR) component genes. The TR gene promoter can be linked to a heterologous gene, especially a gene encoding a cytotoxin, for the unrestricted proliferative capacity of many human cancers. Mutation or dysregulation of the telomerase repression pathway may cause reactivation or upregulation of telomerase expression in cancer.

Substances, identified in the methods, can be used to block transcription from the TR gene promoter through interaction of the 5' regulatory sequences. These substances, e.g. antisense oligonucleotides, transcription factors, peptide nucleic acids and factors that disrupt signal transduction, are useful for cancer therapy. In particular, gene therapy vectors (especially pGT62-codAupp) comprising the promoter and a viral thymidine kinase gene can be used to convert a producy e.g. cancyclovir, so that neoplasia can be controlled or treated. Direct down-regulation factors may be effective anticancer therapy and the cloning of the hTR gene promoter activity. Sequences AAZ07681-95 represent PCR primers for amplifying mouse TR gene (terc) promoter sequence.
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                                        Gaps
                                                                                                                                                                                                                                                                                                                                                             Telomerase RNA; TR; promoter; cytotoxin; cancer; neoplasia; terc; gene therapy; thymidine kinase gene; anticancer therapy; mouse;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Mouse and human telomerase RNA gene promoters, useful for tumor
                                        .,
   Length 20;
                                      Indels
 41.9%; Score 13; DB 20; L6
100.0%; Pred. No. 5.5e+02;
.ive 0; Mismatches 0;
                                                                                                                                                                                                                                                                                                                          Mouse telomerase RNA gene specific primer mTRrl.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Seguence 20 BP; 6 A; 5 C; 7 G; 2 T; 0 other;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          (CANC-) CANCER RES CAMPAIGN TECHNOLOGY
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Disclosure; Fig 6; 109pp; English
                                                                                                                                                                                          AAZ07294/c
ID AAZ07294 standard; DNA; 20 BP.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       98GB-0001902
                                                                                                                                                                                                                                                                                     22-OCT-1999 (first entry)
                                                                             18 TTCTCGCTGACTT 30
Query Match
Best Local Similarity 100.
Matches 13; Conservative
                                                                                                20 TTCTCGCTGACTT 8
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          specific gene therapy
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                WPI; 1999-479183/40.
                                                                                                                                                                                                                                                                                                                                                                                                   PCR primer; 88
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           WO9938964-A2.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              05-AUG-1999
                                                                                                                                                                                                                                                                                                                                                                                                                                    Synthetic.
                                                                                                                                                                                                                                                AAZ07294;
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The present sequence represents a primer used in the isolation of a tick derived cysteine protease. The present invention also describes a tick salivary gland antigen related immunogen and a tick derived serine protease. A nucleotide sequence encoding any of the above proteins can be used in a vaccine against tick carried infections for domestic animals such as cattle.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Lyme disease, spirochete, antibacterial, Borrelia, infection, vaccine, Lyme borreliosis, veterinary, PCR, primer, ospA, ss.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 A gene encoding tick salivary gland antigen - useful as a vaccine for protecting animals from tick-carried infections
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              ;
0
                                                                                                                                                                                                            Tick; vaccine; infection; salivary gland antigen; immunogen; serine protease; cysteine protease; blood sucker; primer; se
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                41.9%; Score 13; DB 21; Length 22; 100.0%; Pred. No. 5.5e+02; Live 0; Mismatches 0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Sequence 22 BP; 3 A; 7 C; 4 G; 8 T; 0 other;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Borrelia burgdorferi ZS7 ospA PCR primer 1.
                                                                                                                                                                  Tick derived cysteine protease primer PR-2.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Example 7; Page 15; 29pp; Japanese
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         ABL60273 standard; DNA; 28 BP.
                                     AAA29625 standard; DNA; 22 BP
                                                                                                                                                                                                                                                                                                                                                                                                                                             98JP-0281932
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        30-JUL-2002 (first entry)
                                                                                                                                                                                                                                                                          Haemaphysalis longicornis.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        11 GCTGTTTTTCTCG 23
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                13; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Borrelia burgdorferi
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              WPI; 2000-296340/26.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Query Match
Best Local Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    (FARB ) BAYER KK.
                                                                                                                                                                                                                                                                                                                    JP2000083677-A.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               DE10126367-A1
                                                                                                                         10-AUG-2000
                                                                                                                                                                                                                                                                                                                                                                                                                                             17-SEP-1998;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         23-MAY-2002.
                                                                                                                                                                                                                                                                                                                                                              28-MAR-2000.
                                                                                 AAA29625;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 ABL60273;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         RESULT 8
ABL60273/4
ID ABL60
RESULT 7
                      AAA29625
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Gaps

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41.9%; Score 13; DB 20; Length 20; 100.0%; Pred. No. 5.5e+02; tive 0; Mismatches 0; Indels

18 TTCTCGCTGACTT 30

Conservative

Similarity

Query Match Best Local Simi] Matches 13; (

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The invention relates to promoter regions from mouse and human

telomerase RNA (TR) component genes. The TR gene promoter can be linked

to a heterologous gene, especially a gene encoding a cytotoxin, for

therapy of cancer, especially neoplasias. The telomerase is necessary

the unrestricted proliferative capacity of many human cancers. Mutation

or dysregulation of the telomerase expression in cancer.

Cor dysregulation of the methods, can be used to block transcription

from the TR gene promoter through interaction of the 5' regulatory

sequences. These substances, e.g. antisense oligonucleotides,

transcription actors, peptide nucleic acids and factors that disrupt

signal transduction, are useful for cancer therapy. In particular, gene

therapy vectors (especially port82-codAupp) comprising the promoter and a

cutral thymidine kinase gene can be used to convert a prodrug, e.g.

transcription of telomerase RNA gene through manipulation of f

cutral thymidine factors may be effective anticancer therapy and the cloning

cof the hTR gene promoter allows the analysis of therapeutic molecules

cof the hTR gene promoter allows the analysis of therapeutic molecules

cof the hTR gene promoter allows the analysis of therapeutic molecules
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Genotyping human galanin receptor gene of an individual for determining haplotype of an individual, involves determining the identity of nucleotide pair at specific polymorphic sites for two copies of the
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          The invention relates to genotyping human galanin receptor (GALR1) gene of an individual, involving determining for the two copies of the GALR1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Galanin receptor; GALR1; human; single nucleotide polymorphism; SNP; drug discovery; haplotyping; infectious diarrhoea; growth hormone deficiency; allele-specific oligonucleotide; ss.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Galanin receptor gene GALR1 allele-specific oligonucleotide #46.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                             which modulate hTR promoter activity. Sequences AA207681-95 reprimers for amplifying mouse TR gene (terc) promoter sequence.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Nandabalan K;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             41.9%; Score 13; DB 20; Length 29; 100.0%; Pred. No. 5.6e+02; ative 0; Mismatches 0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Denton RR,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Sequence 29 BP; 8 A; 8 C; 9 G; 4 T; 0 other;
    Disclosure; Fig 6; 109pp; English.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Choi JY,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Claim 16; Page 15; 99pp; English.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         (GENA-) GENAISSANCE PHARM INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         AAS98334 Btandard; DNA; 15 BP.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              16-APR-2001; 2001WO-US12306.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                18 TICICGCIGACIT 30
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Local Similarity 100.
les 13; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Bentivegna SC, Chew A,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    WPI; 2002-066341/09.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Homo sapiens.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  25-OCT-2001.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      AAS98334;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Query Match
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   ö
                                                                                                                                                                                                                                                                                                                                                                The invention relates to a pharmaceutical composition comprising at least one of: (a) a polypeptide (I) comprising fully defined sequences of ABB77511, ABB77514 or ABB77512 or the corresponding polypeptide from other Borrelia or their immunogenic fragments; (b) nucleic acids (II) that encode (I) or sequences that hybridise with them under stringent conditions; or (c) antibodies directed against (I). The antibodies are used for diagnosis of Borrelia infection (Lyme borreliosis) and in vaccines for treating or preventing Borrelia infections, in human or veterinary medicine. The present sequence is that of a PCR primer for amplification of a Borrelia burgdorferi
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Gaps
                                                                                                                                                                                                                              Pharmaceutical composition comprises Borrelia antigens and encoding nucleic acid, useful for diagnosis, treatment and prevention of Lyme
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           nerase RNA; TR; promoter; cytotoxin; cancer; neoplasia; terc;
therapy; thymidine kinase gene; anticancer therapy; mouse;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Mouse and human telomerase RNA gene promoters, useful for tumor
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                41.9%; Score 13; DB 24; Length 28; 100.0%; Pred. No. 5.6e+02;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Mouse telomerase RNA gene specific primer mtr30r.
                                                                                        (PLAC ) MAX PLANCK GES POERDERUNG WISSENSCHAFTEN.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Sequence 28 BP; 10 A; 6 C; 7 G; 5 T; 0 other;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 100.0%; Pred. No. ...
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                                                                                                                                                                                                                                                                                                                            Example 1; Page 6; 58pp; German.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       AAZ07292 standard; DNA; 29 BP.
30-MAY-2001; 2001DE-1026367.
                                               20-NOV-2000; 2000DE-1057442
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      99WO-GB00308
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           11 GCTGTTTTTCTCG 23
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              13; Conservative
                                                                                                                                      Simon MM, Wallich R;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        specific gene therapy
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Best Local Similarity
                                                                                                                                                                                   WPI; 2002-445465/48.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     WPI; 1999-479183/40.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Telomerase RNA; TR;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   gene therapy; t. PCR primer; ss.
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                                                                                                                                                                                                                                                                            borreliosis
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AAZ07292/
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invention relates to genotyping human galanin receptor (GALR1) gene

gene present in the individual, the identity of the nucleotide pair at one or more polymorphic sites. The method is useful for determining whether an individual has a haplotype or haplotype pairs defined in the pecification. This is useful for improving the efficacy and reliability of several steps in the discovery and development of drugs for treating cliseases associated with GARIA activity, e.g., infectious distribute and growth hormone deficiency, to validate GALRI as candidate agent for treating a specific condition or disease predicted to be associated with GALRI activity. The method is useful to screen for compounds to the GALRI activity. The method is useful to screen for compounds to treating a specific condition or disease predicted to be associated with GALRI activity. The method is useful to screen for compounds to treating activity. The method is useful to screen for compounds to treating activity. The polymucleotide or variant is useful in studying the expression and function of GALRI, and in expressing GALRI polymucleotide or variant is useful for studying the expression of the GALRI isogenes in vivo, for in vivo screening and testing of drugs targeted against GALRI protein, and for studying the testing of drugs targeted adungs targeting called the variation on the biological activity for in vivo screening confident drugs targeting coligonation in the man GALRI isogenes in vivo, for in vivo screening confident called the variation on the biological activity of GALRI general and for the treatment of infectious diarrhoes and growth hormone insufficiency. Associated and proventing and properties of the variation on the properties of the variation of galring the properties of the variation on the properties of the variation of the GALRI isogenes in vivo, for in vivo screening confident days targeted and growth hormone insufficiency. Assument 598408 represent human GALR1 gene allele-specific oligonucleotides used detect GALR1 gene polymorphisms as described in the method of the invention.

cof an individual, involving determining for the two copies of the GALRI cene present in the individual, the identity of the nucleotide pair at one or more polymorphic sites. The method is useful for determining cone or more polymorphic sites. The method is useful for determining cone or more polymorphic sites. The method is useful for determining cone or male a haplotype or haplotype pairs defined in the specification. This is useful for improving the efficacy and reliability of seases associated with GALRI activity, and reliability of diseases predicted to be associated with GALRI activity, and in the design of clinical trials of candidate drugs for treating a specific condition or disease predicted to be associated with GALRI activity, and in the design of clinical trials of candidate drugs for treating a specific condition or disease predicted to be associated with GALRI activity. The method is useful to screen for compounds targeting GALRI to treat a specific conditions or disease associated with GALRI activity. A GALRI polymucleotide or variant is useful in creating activity. The polymucleotide or variant is useful for related to GALRI activity. The polymucleotide or variant is useful for related to GALRI activity. The GALRI isogenes in vivo, for in vivo screening and testing of drugs targeted against GALRI protein, and for studying the capture or the biological activity of GALRI as well as on the biological activity of GALRI is well as on the biological activity of GALRI for treatment

of infectious diarrhoea and growth hormone insufficiency. AAS98289-AAS98408 represent human GALRI gene allele-specific oligonucleotides used to detect GALRI gene polymorphisms as described in the method of the

invention.

Sequence 15 BP; 2 A; 3 C; 9 G; 0 U; 1 other;

Gaps . 0 Length 15; 0; Indels Score 12; DB 24; I; Pred. No. 1.9e+03; 0; Mismatches 0; 38.7%; ; 100.0%; Query Match
Query Match
Best Local Similarity 100.00
Best Local 12; Conservative

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AAS98336; RESULT 11 AAS98336/

12-MAR-2002 (first entry)

Galanin receptor gene GALR1 allele-specific oligonucleotide #48.

Homo sapiens

WO200179237-A2.

(GENA-) GENAISSANCE PHARM INC.

Claim 16; Page 15; 99pp; English.

AAS98336 standard; DNA; 15 BP.

Galanin receptor; GALR1; human; single nucleotide polymorphism; SNP; drug discovery; haplotyping; infectious diarrhoea; growth hormone deficiency; allele-specific oligonucleotide; ss.

25-OCT-2001

16-APR-2001; 2001WO-US12306

14-APR-2000; 2000US-197838P.

Nandabalan K; Denton RR, Choi JY, Bentivegna SC, Chew A,

WPI; 2002-066341/09.

Genotyping human galanin receptor gene of an individual for determining haplotype of an individual, involves determining the identity of nucleotide pair at specific polymorphic sites for two copies of the gene

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WPI; 2002-066341/09.
                                                                gene
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ö Genotyping human galanin receptor gene of an individual for determining haplotype of an individual, involves determining the identity of nucleotide pair at specific polymorphic sites for two copies of the Gaps Galanin receptor; GALR1; human; single nucleotide polymorphism; SNP; Galanin receptor gene GALR1 allele-specific oligonucleotide #53. ; drug discovery; haplotyping; infectious diarrhoea; growth hormone deficiency; allele-specific oligonucleotide; ss. Nandabalan K; Length 15; 0; Indels 38.7%; Score 12; DB 24; L 100.0%; Pred. No. 1.9e+03; ive 0; Mismatches 0; Denton RR, Sequence 15 BP; 1 A; 3 C; 10 G; 0 U; 1 other; choi JY, В В (GENA-) GENAISSANCE PHARM INC. 16-APR-2001; 2001WO-US12306. 14-APR-2000; 2000US-197838P. 38.78; AAS98341 standard; DNA; 15 (first entry) Best Local Similarity 100. Matches 12; Conservative 1 CTCCCGCGCGC 12 Chew A, ~ 13 crecededece Bentivegna SC, WO200179237-A2. Homo sapiens. 12-MAR-2002 25-OCT-2001. AAS98341; Query Match RESULT 12 AAS98341 g à

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The sequences given in AAQ49657-707 are antisense oligonucleotides which contain altered inter-sugar linkages, pref. phosphorothionate linkages. These oligomers bind with the protein kinase C (PKC) mRNA at the transcription initiation site, the translation initiation site, the S' cap region, an intron/exon boundary, coding sequences or sequences in the 5'- or 3'-untranslated regions. These oligonucleotides may be used in diagnostics, therapeutics, prophylaxis and as research reagents. The numbers allocated to the oligomucleotides are relative to the first residue to be sequenced
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   on the CDNA, which is 28 residues upstream of the ATG start codon.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Antisense; oligonucleotide; inter-sugar linkage; protein kinase C; phosphorothionate linkage; PKC; transcription initiation site; translation initiation site; cap region; intron/exon boundary; diagnosis; therapeutics; prophylaxis; ss.
                                                                                                Oligo-nucleotide(s) hybridise to nucleic acids encoding Protein
kinase C - useful as diagnostics and therapeutics for disease
states associated with particular isozymes of PKC
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 38.7%; Score 12; DB 14; Length 20; 100.0%; Pred. No. 2e+03; Artive 0; Mismatches 0; Indels
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/*tag= a
/note= "Phosphorothionate linkages"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Sequence 20 BP; 2 A; 7 C; 8 G; 3 T; 0 other;
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                                                                                                                                                                                                      Claim 6; Page 18; 64pp; English.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    AAQ49678 standard; DNA; 20 BP.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        12; Conservative
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     Bennett CF, Dean N;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Query Match
Best Local Similarity
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     셤
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      The invention relates to genotyping human galanin receptor (GALKI) gene of an individual, involving determining for the two copies of the GALKI Come or more polymorphic sites. The method is useful for determining whether an individual has a haplotype or haplotype pairs defined in the one or more polymorphic sites. The method is useful for determining whether an individual has a haplotype or haplotype pairs defined in the gaseification. This is useful for improving the efficacy and reliability of general steps in the discovery and development of drugs for treating diseases associated with GALKI activity, e.g., infectious diarrhoes and growth hormone deficiency, to validate GALKI as a candidate agent for treating a specific condition or disease predicted to be associated with GALKI activity, and in the design of clinical trials of candidate drugs for treating a specific condition or disease predicted to be associated with GALKI activity. The method is useful to screen for compounds targeting GALKI activity. The method is useful to variant is useful for studying the expression and function of GALKI, and in expressing GALKI protein for use in screening for candidate drugs to treat diseases related to GALKI activity. The polymucleotide or variant is useful for studying expression of the GALKI isogenes in vivo, for in vivo screening and testing of drugs targeted against GALKI for the treatment of fine binding affinity of candidate drugs targeting GALKI sevelul so the binding affinity of candidate drugs targeting GALKI for the treatment of incentions distrible and incomponential protein.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                AAS98408 represent human GALK1 gene allele-specific oligonucleotides used to detect GALK1 gene polymorphisms as described in the method of the
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Gaps
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   y Match 38.7%; Score 12; DB 24; Length 15; Local Similarity 100.0%; Pred. No. 1.9e+03; hes 12; Conservative 0; Mismatches 0; Indels
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Sequence 15 BP; 0 A; 10 C; 3 G; 1 T; 1 other;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       diagnosis; therapeutics; prophylaxis; ss
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Location/Qualifiers
Claim 16; Page 15; 99pp; English.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  AAQ49677 standard; DNA; 20 BP.
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nvention

Query Match

Matches

RESULT 13 AAQ49677/c

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Key

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Gaps

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the backbone subunits are composed of Nacetyl
N-(2-aminoethyl)glycime peptide residues, the
nucleobase being attached covalently to the
acetyl group and the peptide linkage being
formed by condensation of the glycine
carboxy group of one residue with the amino
group of the 2-aminoethyl moiety in the next
residue"
                          The sequences given in AAQ49657-707 are antisense oligonucleotides which contain altered inter-sugar linkages, pref. phosphorothionate linkages. These oligomers bind with the protein kinase C (PKC) mRNA at the transcription initiation site, the translation initiation site, the S' cap region, an intron/exon boundary, coding sequences or sequences in the 5'- or 3'-untranslated regions. These oligonucleotides may be used in diagnostics, therapeutics, prophylaxis and as research reagents. The numbers allocated to the oligonucleotides are relative to the first residue to be sequenced on the cDNA, which is 28 residues upstream of the ATG start codon.
                                                                                                                                                                                                                                                                         Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               New peptide nucleic acid oligomers specific for protein kinase C isozyme(s) - useful as anti:sense molecules for treating PKC mediated disease, e.g. cancer, psoriasis and inflammation
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 PNA oligomer targetting AUG region of PKC-beta isoforms I & II
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Peptide nucleic acid; PNA, PKC-alpha, protein kinase C; ss, cell proliferation, cell differentiation, isozyme; antisense; triple helix; cancer; psoriasis; inflammation.
                                                                                                                                                                                                                                       DB 14; Length 20; 2e+03;
                                                                                                                                                                                                                                                                       0; Indels
                                                                                                                                                                                                           Sequence 20 BP; 2 A; 6 C; 11 G; 1 T; 0 other;
                                                                                                                                                                                                                                                   100.0%; Pred. ...
                                                                                                                                                                                                                                         38.7%; Score 12;
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Claim 6; Page 18; 64pp; English.
                                                                                                                                                                                                                                                                                                                                                                                                                     AAQ97894 standard; DNA; 20 BP.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   (first entry)
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nes 12; Conservative
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AAQ97894/c
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Matches
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of naturally occurring nucleobases covalently bound to a polyamide backbone and (b) hybridise to the translation initiation AUG region, coding region, 5' untranslated region (5' UTR) or 3' untranslated region (5' UTR) or 3' untranslated region (3' UTR) of PKC-alpha or its isoforms. The PNAs can be used to target RNA and single stranded DNA (sBDNA) to produce antisense-type gene regulation moieties. They inhibit expression of PKC-alpha and its isoforms (including beta, gamma, delta, epsilon, zeta and eta) and so are useful for treating and diagnosing cell proliferation and differentation processes such as neoplastic, hyperproliferative and inflammatory diseases.
                                                                                                                                                                                                                                                                    and inflammatory diseases.

PNA oligomers have high affinity for complementary single stranded DNA. They are also able to form triple helices in which a first PNA strand binds with RNA or ssDNA and a second PNA strand binds with the resulting
                                                                                                                                                                                                                                                                                                                                                                    double helix or with the first PNA strand. The PNAs possess no significant charge and are water soluble, which facilitates cellular uptake. Futher, since they contain amides of non-biological amino acids, they are biostable and resistant to enzymatic degradation by proteases. The present sequence targets the AUG region of PKC-beta isoforms I & II.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Gaps
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          38.7%; Score 12; DB 16; Length 20; 100.0%; Pred. No. 2e+03; cive 0; Mismatches 0; Indels
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Les 12; Conservative
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Run on: June 23, 2003, 10:17:23 ; Search time 308.975 Seconds (without alignments) 2919.933 Million cell updates/sec
Title: US-08-770-564A-1_COPY_350_380 Perfect score: 31 Sequence: 1 CTCCCCGGGGGTTTTTTCTCGCTGACTTT 31
Scoring table: OLIGO NUC Gapop 60.0 , Gapext 60.0
Searched: 2054640 segs, 14551402878 residues
Word size : 0
Total number of hits satisfying chosen parameters: 841850
Minimum DB seq length: 0 Maximum DB seq length: 50
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Database : GenEmbl:* 1 9D_bas:* 2 9D_bris;* 4 9D_bris;* 4 9D_bris;* 5 9D_ov:* 6 9D_bvi:* 11 9D_bvi:* 11 9D_bvi:* 12 9D_bvi:* 13 9D_bvi:* 14 9D_vi:* 15 em_bas:* 16 em_him:* 17 em_min:* 18 em_him:* 19 em_min:* 22 em_ov:* 22 em_ov:* 23 em_pi:* 24 em_pi:* 25 em_top:* 25 em_htg_him:* 31 em_htg_him:* 32 em_htg_him:* 33 em_htg_him:* 34 em_htg_him:* 35 em_htg_him:* 36 em_htg_him:* 37 em_htg_min:* 38 em_htg_ovi:* 39 em_htg_ovi:* 30 em_htg_ovi:* 31 em_htg_min:* 32 em_htg_min:* 33 em_htg_ovi:* 34 em_htg_min:* 35 em_htg_min:* 36 em_htg_min:* 37 em_htg_min:* 38 em_htg_min:* 39 em_htg_owi:* 40 em_htg_min:* 40 em_htg_min:* 40 em_htg_min:* 40 em_htg_min:*
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Pred. No. is the number of results predicted by chance to have a

score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Description	AR016054 Sequence AR059215 Sequence	AR075526 Sequence	AR161924 Sequence	AR016060 Sequence 22	AR075532 Sequence	AX019577 Sequence AX019580 Sequence	AX019578 Sequence	AR076656 Sequence	AR182713 Sequence	AR182714 Sequence	AX226311 Sequence	187125 Sequence 21	N 1	ASI391 Sequence 7. E16661 PCR primer	A97274 Sequence 12	AX129365 Sequence	AR124806 Sequence	AR161568 Sequence	AXZ98535 Sequence I89927 Sequence 12	AB068319 Synthetic	AX350093 Sequence	AR184928 Sequence	AR191109 Sequence	AR191441 Sequence	AR093964 Sequence	(I)	117308 Sequence 17	Sequence 3	1212 Sequence	90	4939	AR093969 Sequence AR175941 Sequence	٠.		linear PAT 05-DEC-1998					Andrews.W.H.	telomerase	
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1 (bases 1 to 30)
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Patent: US 5583016-A 22 10-DEC-1996;
Location/Qualifiers
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Villeponteau, B., Feng, J., Funk, W. and Andrews, W.H. Assays for the DNA component of human telomerase Patent: US 5776679-A 28 07-JUL-1998;
Location/Qualifiers
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                                                                                                                  Villeponteau, B., Feng, J., Funk, W. and Andrews, W.H. Wanmalian telomeraes Patent: US 6258535-A 22 10-JUL-2001, Location/Qualifiers
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Sequence 28 from patent US 5776679.
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Sequence 22 from patent US 6258535.
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Villeposte 2. Feng, J., Funk, W. and Andrews, W.H.
Mammalian telomerase
Patent: US 5958680-A 23 28-SEP-1999;
Location/Qualifiers
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Villeponteau, B., Feng, J., Funk, W. and Andrews, W.H. Mammalian telomerase
Patent: US 5837857-A 22 17-NOV-1998;
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Sequence 23 from patent US 5958680.
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KEITH WILLIAM NICOL (GB); CANCER RES CAMPAIGN TECH (GB)
Location/Qualifiers
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KEITH WILLIAM NICOL (GB); CANCER RES CAMPAIGN TECH (GB)
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Matches 13; Conservative 0; Mismatches 0;
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Sequence 21 from patent US 5959096.
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Sequence 32 from Patent WO9938964.
AX019578
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Sequence 34 from Patent WO9938964.
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KEITH WILLIAM NICOL (GB); CANCER RES CAMPAIGN TECH (GB)
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Patent: US 5958680-A 29 28-SEP-1999;
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                                           Query Match 67.7%; Score 21; DB Best Local Similarity 100.0%; Pred. No. 0.0 Matches 21; Conservative 0; Mismatches
                                                                                                                                                                                                Sequence 29 from patent US 5958680. AR075532 AR075532.1 GI:10002280
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Sequence 31 from Patent WO9938964.
AX019577
AX019577.1 GI:10043491
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6 c 10 g
   10 g
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synthetic construct
artificial sequences.
1 (bases 1 to 20)
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Unclassified.
1 (bases 1 to 28)
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AX019577/c
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PAT 20-APR-2002
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Bennett, C. Frank., Dean, N. M., Cook, P. Dan. and Hoke, G.
Antisense oligonucleotides which have phosphorothicate linkages of
high chiral purity and which modulate .beta.I, .beta.II, .gamma.,
.delta., .EPSILON., .zeta. and .eta. isoforms of human protein
kinase C
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M synthetic construct
artificial sequences.

1 (base 1 to 20)
Bennet, C.F. and Dean, N.
Oligonucleotide modulation of protein kinase c
Patent: EP 112602-A 21 22-AUG-2001;
ISIS PHARMACEUTICALS, INC. (US)
Location/Qualifiers
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100.0%; Pred. No. 1.6e+04;
iive 0; Mismatches 0;
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/organism="synthetic construct"
/db_xref="teaxon:32630"
/note="Artificial" , ,
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Location/Qualifiers
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Sequence 22 from patent US 6339066.
AR182714
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Sequence 21 from Patent EP1126025.
AX226311
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Best Local Similarity 100.
Matches 12; Conservative
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Best Local Similarity 100.
Matches 12; Conservative
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AR182714/c
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1 (bases 1 to 20)
Bennett, C. Frank. and Dean, N.
Antisense oligonuclectides against human protein kinase C
Patent: US 5559096-A 22 28-SEP-1999;
Location/Qualifiers
                                                                                                     1 (bases 1 to 20)
Bennett, C. Frank. and Dean, N.
Antisense oligonucleotides against human protein kinase C
Patent: US 559306-A 21 28-SEP-1939;
Location/Qualifiers
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Sequence 21 from patent US 6339066.
AR182713
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S Li,Y., Rosso,M., Strizhov,N. and Weisshaar,B.

Location Submistor

Zuechtungsforschung, Carl-von-Linne-Weg 10, Koeln, 50829, Germany

This sequence is recovered from the left border of the T-DNA. It

indicates an insertion within the locus defined by clone MF020. The

sequences are generated at the MPI for Plant Breeding Research in

the context of the GABI-Kat project. GABI-Kat is part of the German

Plant Genomics program designated 'GABI'. Information on line

availability can be found a:

http://www.mpiz-koeln.mpg.de/GABI-Kat/.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          / Grain="Columbia of programs of processed for submission. T-DNA derived sequence were processed for submission. T-DNA derived sequences were
                                           AL764814 40 bp DNA linear GSS 18-JUN-2002 Arabidopsis thaliana T-DNA flanking sequence GK-131C11-012721,
                                                                                                                                                                                               Arabidopsis thaliana
Eukaryota; Viridiplantae; Streptophyta; Embryophyta; Tracheophyta;
Spermatophyta; Magnoliophyta; eudicotyledons; core eudicots;
Rosidae; eurosids II; Brassicales; Brasslcaceae; Arabidopsis.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Rosso,M., Strizhov,N., Li,Y., Reiss,B., Dekker,K. and Weisshaar,B. A new Arabidopsis thaliana T-DNA mutagenised population (GABI-Kat) for flanking sequence tag based reverse genetics
                                                                                                                                                                                                                                                                                                                Strizhov, N., Li, Y., Rosso, M., Viehoever, P., Dekker, K., Saedler, H.
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uj08al0.x1 Sugano mouse liver mlia Mus musculus cDNA clone
IMAGE:1891290 3' similar to SW:ATP6_MOUSE P00848 ATP SYNTHASE A
CHAIN ; mRNA sequence.
AI266869
                                                                                                                                                                                                                                                                                                                     and Weisshaar, B.
A pipeline for automated high-throughput generation of FSTs (flanking sequence tags) from Arabidopsis thalians T-DNA transformed lines
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El 1 (bases 1 to 35)

Dunn, D., Aoyagi, A., Barber, M., Beacorn, T., Duval, B., Hamil, C., Islam, H., Longacre, S., Mahmoud, M., Meenen, E., Pedersen, T., Reilly, M., Rose, M., Rose, R., Stokes, R., Tingey, A., von Niederhausern, A. mouse whole genome scaffolding with paired end reads from 10kb plasmid inserts

Unpublished (2000)

Contact: Robert B. Weiss
University of Utah Genome Center
                                           AZ332622 35 bp DNA linear GSS 29-SEP-2000 1M0061M11F Mouse 10kb plasmid UUGCIM library Mus musculus genomic clone UUGCIM0061M11 F, DNA sequence.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               /sex="Male"
/lab_host="E. Coli strain XL10-Gold, T1-resistant, P-"
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/strain="C57BL/6J"
/db_xref="taxon=10090"
/clone="UPGC1M0061M1"
/clone_lib="Mouse 10kb plasmid UUGC1M library"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Length 35;
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100.0%; Pred. No. 1.7e+05;
tive 0; Mismatches 0;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Std Error: 0.00
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Insert Length: 10000 Std Error:
Bate: 0061 row: M column: 11
Seq primer: CGTTGTAAAACGACGCCAGT
Class: plasmid ends
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  High quality sequence stop: 35.
Location/Qualifiers
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Tel: 801 585 5606
Fax: 801 585 7177
Email: ddunn@genetics.utah.edu
                                                                                                                 AZ332622
AZ332622.1 GI:10396450
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RESULT 9
AZ332622/c
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PEATURES

TITLE

COMMENT

EST 16-NOV-1998

ò 8

Gaps

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Rosidae; eurosids II; Brassicales; Brassicaceae; Arabidopsis.
1 (bases 1 to 45)
Spermatophyta; Magnoliophyta; eudicotyledons; core eudicots;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           AI680115.1 GI:4890297
                                                                                                                                                                                                                                                                                                                         Email: ecker@salk.edu
                                                                                                                                                                                                                                                                                                                                                                                     Class: TDNA tagged
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            11; Conservative
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Matches 11; Conserv
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         /note="Organ: liver; Vector: pME185-FL3; Site_1: DraIII (CACCATGTGT); 1st strand cDNA was primed with an oligo(dT) primer [ATGTGGCTTTTTTTTTTTTTTTTTTT]; double-stranded cDNA was ligated to a DraIII adaptor [TGTTGGCTACTGG], digested and cloned into distinct DraIII sites of the pME185-FL3 vector (S' site CACTGTGT, 3' site CACCATGTG]. Alon should be used to isolate the cDNA insert. Size selection was performed to exclude fragments <1.5bb. Library constructed by Dr. Sumio Sugano (University of Tokyo Institute of Medical Science). Custom primers for sequencing: 5' end primer CTTCTGCTCTAAAAGCTGCG and 3' end
                                                             Bukaryota, Metazoa; Chordata; Craniata; Vertebrata; Buteleostomi;
Mammalia; Eutheria; Rodentia; Sciurognathi; Muridae; Murinae; Mus.
1 (bases 1 to 43)
Marray M., Hillier, J., Allen, M., Bowles, M., Dietrich, N., Dubuque, T., Schellenberg, K., Steptoe, M., Tan, F., Underwood, K., Moore, B., Theising, B., Wylie, T., Lennon, G., Soares, B., Wilson, R. and
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Arabidopsis thaliana
Bukaryota; Viridiplantae; Streptophyta; Embryophyta; Tracheophyta;
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                                                                                                                                                                                                                                                                             Contact: Marking Myduse EST Project
Washight Mouse EST Project
Washight Mouse EST Project
Washight Miversity School of MedicineP
4444 Forest Park Parkway, Box 8501, St. Louis, MO 63108
Tel: 314 286 1810
Email: mouseest@watson.wustl.edu
Email: mouseest@watson.wustl.edu
This clone is available royalty-free through LLNL; contact the
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 ;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Trace considered overall poor quality bossible reversed clone: similarity on wrong strand Seq primer: custom primer used High quality sequence stop: 1. Location/Qualifiers
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       36.7%; Score 11; DB 9; Length 43; 100.0%; Pred. No. 1.6e+05;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           /db_xref="taxon:10090"
/clone="IMAGE:1891290"
/clone_lib="Sugano mouse liver mlia"
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/organism="Mus musculus"
                                                                                                                                                                                                                                       The WashU-HHMI Mouse EST Project
Unpublished (1996)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      /dev_stage="adult"
/lab_host="DH10B"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                /strain="C57BL"
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                                              Mus musculus
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ALGB0115

tw65a03.x1 NCI CGAP Ut3 Homo sapiens cDNA clone IMAGE:2264524 3'
similar to TR:000405 000405 FB19 PROTEIN.; contains MER22.b3 MSR1
repetitive element;, mRNA sequence.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 CDNA Library Preparation: Life Technologies, Inc.
CDNA Library Arrayed by: Greg Lennon, Ph.D.
DNA Sequencing by: Washington University Genome Sequencing Center
Clone distribution: NCI-CGAP clone distribution information can be
found through the I.M.A.G.E. Consortium/LLNL at:
www-bio.llnl.gov/bbrp/image/image.html
Alonso, J.M., Leisse, T.J., Barajas, P., Chen, H., Cheuk, R., Gadrinab, C., Jeske, A., Karnes, M., Kim, C.J., Parker, H., Prednis, L., Shinn, P., Zimmerman, J. and Ecker, J.R.
A Sequence-Indexed Library of Insertion Mutations in the
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           /db xref="columbia 0"
/db xref="taxon:3702"
/clone="taxon:3702"
/clone="SALK Go5222"
/clone="bCR was parformed on Arabidopsis thaliana lines each of which contains one or more TDNA insertion elements. The resultant fragment for each line was directly sequenced to determine the genomic sequence at the site of insertion. Details of the protocols used can be found at http://signal.salk.edu/tdna_protocols.html"
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Bukaryota, Metazoa, Chordata, Craniata, Vertebrata, Euteleostomi,
Mammalia, Eutheria, Primates, Catarrhini, Hominidae, Homo.
1 (bases 1 to 46)
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National Cancer Institute, Cancer Genome Anatomy Project (CGAP),
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Tumor Gene Index
Unpublished (1997)
Contact: Robert Strausberg, Ph.D.
Email: cgapbs r@mail.nih.gov
Tissue Procurement: Christopher Moskaluk, M.D., Ph.D., Michael
Emmert-Buck, M.D., Ph.D.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                               This is single pass sequence recovered from the left border of
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0
                                                                                                                                               Arabidopsis Genome
Unpublished (2001)
Contact: Joseph R. Ecker
Salk Institute Genomic Analysis Laboratory (SIGNAL)
The Salk Institute for Biological Studies
10010 N. Torrey Pines Road, La Jolla, CA 92037, USA
1191: 858 453 4100 x1752
Fax: 858 558 6379
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       36.7%; Score 11; DB 17; Length 45; 100.0%; Pred. No. 1.6e+05; Pred. 0; Mismatches 0; Indels
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18 CTCCCCGCGCGC 7

Search completed: June 23, 2003, 20:29:43 Job time : 310.975 secs

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OLIGO_NUC Gapop_60.0 , Gapext 60.0

Scoring table:

Title: Perfect score:

Sequence:

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Run on:

Post-processing: Listing first 45

EST:*

Database

seq length: 0 seq length: 50

Minimum DB E Maximum DB E

em_estba:* em_esthum:*

Total number of hits satisfying

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Word size :

Searched:

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A224200 4906.ic27
AA99236 010811.8
AZ29120 100053A14
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A1200650 qf94a11.x
A1364767 qu18d02.x
A264939 1M0274L06
AV962684 AV9626884
A2441070 1M02265A02
AL743393 Danio rer
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 AV832474 K. Sato unpublished cDNA library: Hordeum vulgare subsp. vulgare leaves vegetative stage Hordeum vulgare subsp. vulgare baak3h01, mRNA sequence.
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Eukaryota, Viridiplantae, Streptophyta, Embryophyta, Tracheophyta,
Spermatophyta, Magnoliophyta, Liliopsida, Poales, Poaceae, Pooideae
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A1149355 qc82b03.x
AU013748 AU013748
AU256767 AU256767
BJ077096 BJ077096
                                                                                                             AZ404140 1M0172J15
AU105989 AU105989
AA257872 MBL2SJ4F5
   AA911862 og21a09.s
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Chuo 2-20-1, Kurashiki, Okayama 710-0046, Japan
Email: kazsato@rib.okayama-u.ac.jp/barley/
URL:http://www.rib.okayama-u.ac.jp/barley/
Sato,K., Saisho,D., Takeda,K., Shini,T. and Kohara,Y. Direct
submission;
database:http://www.shigen.nig.ac.jp/barley/Barley.html.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Barley EST sequencing project in NIG and Okayama Univ
Unpublished (2001)
Contact: Kazuhiro Sato
Research Institute for Bioresources
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AL105989
AZ24200
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                                               7166766
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 AV832474
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   ACCESSION
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AV832474/c
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AI862676 wj27f64.x
AZ354722 IM036LC10
A1037566 Homo sapi
AI189788 qd33d03.x
AL756125 Arabidops
                                                                                                        June 23, 2003, 16:08:34 ; Search time 785.207 Seconds (without alignments) 618.773 Million cell updates/sec
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score greater than or equal to the score of the result being printed,
and is derived by analysis of the total score distribution.
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               GenCore version 5.1.6
Copyright (c) 1993 - 2003 Compugen Ltd.
                                                                                                                                                                                                          GGGGTGGTGCCATTTTTTGTCTAACCCTA 30
                                                                                                                                                                                                                                                                                           residues
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                                                                             nucleic search, using sw model
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AI862676
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Query Match Length

Result No.

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43.3 36.7 36.7 36.7 36.7

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other:

em_gss_vrt:* em_gss_fun:* em_gss_mam:* em gas mus:*

em_gss_other: em_gss_pro:* em_gss_rod:*

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Best Local Similarity 100.
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AZ514722
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           wi27f04.x1 NCI CGAP Kid12 Homo sapiens CDNA clone IMAGE:2404063 3' similar to SW:TENS_CHICK Q04205 TENSIN. ;, mRNA sequence.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Contact: Robert Strausberg, Ph.D.
Email: cgapbs-r@mail.nih.gov
Tissue Procurement: Christopher Moskaluk, M.D., Ph.D., Michael R.
Tissue Procurement: Christopher Moskaluk, M.D., Ph.D.,
CDNA Library Preparation: M. Bento Soares, Ph.D.
CDNA Library Arrayed by: Greg Lennon, Ph.D.
DNA Sequencing by: Washington University Genome Sequencing Center
Clone distribution: NCI-CGAP clone distribution information can be
found through the I.M.A.G.E. Consortium/LLNL at:
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1 (bases 1 to 37)
Nati-CGAP http://www.ncbi.nlm.nih.gov/ncicgap.
National Cancer Institute, Cancer Genome Anatomy Project (CGAP), Tumor Gene Index
Unpublished (1997)
/organism="Hordeum vulgare subsp. vulgare"
/cultivar="Akashinriki"
/db_xref="taxon:112509"
/clone="baak3h01"
vulgare subsp. vulgare leaves vegetative stage"
/tissue_type="leaves"
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/clone="TWAGE:2404063"
/clone_lib="NCI_CGAP_Kid12"
/tissue_type="2 pooled tumors (clear cell type)"
/lab_hogt="DH10B"
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                                                                                                                                                                                                                                                                    46.7%; Score 14; DB 10; Length 42; 100.0%; Pred. No. 4.9e+03; ive 0; Mismatches 0; Indels
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6 c 5 g 14 t
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Best Local Similarity 100.0
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AI862676
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BASE COUNT ORIGIN

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/Group broshed to present of the present of sex="Male" | Jab host="E. Coli strain XL10-Gold, T1-resistant, F-" | Jab host="E. Coli strain XL10-Gold, T1-resistant, F-" | Jab host="E. Coli strain XL10-Gold, T1-resistant, From M. musculus C57BL/6J (male) was obtained from the Jackson Laboratory Mouse DNA Resources/documents/dnares/). The DNA was hydrodynamically sheared by repeated epassage through a 0.005 inch orifice at constant velocity. The sheared DNA was hydrodynamically sheared by repeated excess. The polymucleotide kinase. Adaptor oligonucleotides were jigated to the blunt ends in high molar excess. The adaptored DNA was purified and size-selected for a 9.5 to 10.5 kb range using preparative agarose gel electrophoresis. Vector DNA was prepared from a derivative of pWD42 (gi|4732114|gb|AF129072.1), a copy-number inducible derivative of plasmid R1. The vector was ligated with adaptors complementary to the insert adaptors and purified. The sheared, adaptored mouse DNA was annealed to adaptored vector DNA, and transformed into chemically-competent E. coli XL10-Gold (Stratagene) cells and selected for ampicillin resistance."
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                                                                                                                                                                                                                                                                                                                                                                             AZ514722 19 bp DNA linear GSS 05-OCT-2000 LM0361C1OR Mouse 10kb plasmid UUGCIM library Mus musculus genomic clone UUGCIM0361C10 R, DNA sequence.
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Dunn, D., Aoyagi, A., Barber, M., Beacorn, T., Duval, B., Hamil, C., Islam, H., Longacre, S., Mahmoud, M., Menen, B., Pedersen, T., Reilly, M., Rose, M., Rose, R., Stokes, R., Tingey, A., von Niederhausern, A. and Wright, D., Weiss R.
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                                                                        Gaps
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/db xref="taxon:10090"
/clone="UUGCIM0361C10"
/clone_lib="Mouse 10kb plasmid UUGC1M library"
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                                                                        Indels
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University of Utah Genome Center
University of Utah
University of Utah
Rm. 308, Biomedical Polymers Research Bldg., 20
84112, USA
43.3%; Score 13; DB 9; Le
100.0%; Pred. No. 1.6e+04;
tive 0; Mismatches 0;
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Fax: 801 585 7177
Email: ddunn@genetics.utah.edu
Insert Length: 10000 Std Error: 0.00
Plate: 0361 row: C column: 10
Seq primer: CACACAGGAAACAGCTATGACC
Class: plasmid ends
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Location/Qualifiers
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Spermatophyta; Magnoliophyta; eudicotyledons; core eudicots;
Rosidae; eurosids II; Brassicales; Brassicaceae; Arabidopsis.
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                                                                         Homo sapiens
Bukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
Mamalia; Butheria; Primates; Catarrhini; Hominidae; Homo.
1 (bases 1 to 31)
NCI-CGAP http://www.ncbi.nlm.nih.gov/ncicgap.
NXI-CGAP http://www.ncbi.nlm.nih.gov/ncicgap.
Tumor Gene Institute, Cancer Genome Anatomy Project (CGAP),
Unpublished (1997)
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                                                                                                                                                                                                                                                                                                                  Contact: Robert Strausberg, Ph.D.

Email: cgapbs r@mail.nih.gov
This clone is available royalty-free through LLNL; contact the
IMAGE Consortium (info@image.llnl.gov) for further information.

Trace considered overall poor quality
Insert Length: 977 Std Brror: 0.00
Seq primer: -40UP from Gibco
High quality sequence stop: 1.

Location/Qualifiers
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100.0%; Pred. No. 1.7e+05;
Live 0; Mismatches 0;
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/organism="Homo sapiens"
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TITLE
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AUTHORS
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AL756125
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Eutheria; Primates; Catarrhini; Hominidae; Homo.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             /organism="Homo sapiens"
/clone="DKPZpS641147"
/clone="DRPZpS641147"
/clone lib==164 (gynonym: hfbr2). Vector pAMP1; host
X1-2blue; sites NotI + SalI".
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Gaps
                                                                                   Gaps
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             ö
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Blum H., Bauereachs S., Mewes W., Gassenhuber J., Wiemann S.;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Submitted (12-MAR-1999) to the EMBL/GenBank/DDBJ databases.
MIPS, Am Klopferspitz 18a D-82152 Martinsried, GERMANY
               Length 19;
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            Score 11; DB 17; I Fred. No. 1.8e+05; 0; Mismatches 0;
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(Rel. 59, Last updated, Version 1)
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               36.7%; Score 11; 100.0%; Pred. No.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      31 bp
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HSM001897/c
ID HSM001897 standard; RNA; EST; 30 BP.
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AI189788
AI189788:1 GI:3740997
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                                                                         Conservative
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                                                                                                                                                                                            7 recentrity 17
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Query Match
Best Local Similarity
Matches 11; Consern
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AI189788/c
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VERSION
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COMMENT

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Tumor Gene Index
Unpublished (1997)
Contact: Robert Strausberg, Ph.D.
Email: cgapbs-remail.nih.gov
Tissue Procurement: Christopher Moskaluk, M.D., Ph.D., Michael R.
Emmert-Buck, M.D., Ph.D.
CDNA Library Preparation: Life Technologies, Inc.
CDNA Library Arrayed by: Greg Lennon, Ph.D.
DNA Sequencing Dy: Washington University Genome Sequencing Center
Clone distribution: NII-CGAP clone distribution information can be
found through the I.M.A.G.E., Consortium/LLNL at:
                                                                                                                                                                                                                                                                                                                                                                                             A1023585
34 bp mRNA linear EST 22-APR-1999 ts37f06.x1 NCI CGAP Ut4 Homo sapiens cDNA clone IMAGE:2230787 3' similar to TR:004154 004154 SALIVARY PROLINE-RICH PROTEIN RP15 PRECURSOR, ;, mRNA sequence.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      /note="Organ: uterus, Vector: pCMV-SPORT6; Site_1: Sall; Site_2: NotI; Cloned unidirectionally. Primer: Oligo dT. Average insert size 1.48 kb. Life Technologies catalog #: 11542-016"
/note="Organ: peripheral nervous system; Vector:
OrWN-SPORT4; Site 1: Sal1; Site 2: Not1; Cloned
unidirectionally. Primer: Oligo dT. Average insert size
1.1 kb."
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Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.
1 (bases 1 to 34)
NCI-CGAP http://www.ncbi.nlm.nih.gov/ncicgap.
National Cancer Institute, Cancer Genome Anatomy Project (CGAP);
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                                                                                                                                                                  Length 34;
                                                                                                                                                                36.7%; Score 11; DB 9; Le 100.0%; Pred. No. 1.7e+05; ive 0; Mismatches 0;
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High quality sequence stop: 1.
Location/Qualifiers
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Best Local Similarity
Matches 11; Conservat
                                                                                                                                                                                             Similarity
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ORIGIN
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ORIGIN
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AI623585/c
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VERSION
KEYWORDS
SOURCE
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AUTHORS
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                        Strizhov, N., Li, Y., Rosso, M. and Weisshaar, B.
Direct Submission
Submitted (I.7-UN-2002) Weisshaar B., Max-Planck-Institut fuer
Submitted (I.7-UN-2002) Weisshaar B., Max-Planck-Institut fuer
Subchtungsforschung, Carl-von-Linne-Weg 10, Koeln, 50829, Germany
This sequence is recovered from the left border of the T-DNA. It
indicates an insertion within the locus defined by clone T9B10. The
sequences are generated at the MPI for Plant Breeding Research in
the context of the GABI-Kat project. GABI-Kat is part of the German
Plant Genomics program designated 'GABI'. Information on line
availability can be found at:
http://www.mpiz-koeln.mgg.de/GABI-Kat/.
                                                                                                                                                                                                                                                                                                                                                                                                    /clone="GK-105612-012137"
/clone="GK-105612-012137"
/clone="GK-105612-012137"
/note="GFR was performed on DNA-from Arabidopsis thaliana plants (T1) which were transformed with the T-DNA from vector pACL61. The lines contain one or more T-DNA insertions. The DNA fragment(s) resulting from the PCR were directly sequenced to determine the genomic sequence flanking the insertion. Sequences displaying significant similarity to the A. thalaina nuclear genome sequence were processed for submission. T-DNA derived sequences were
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Eukaryota, Metazoa, Chordata, Craniata, Vertebrata, Euteleostomi,
Mammalia, Eutheria, Primates, Catarrhini, Hominidae, Homo.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             og21a09.s1 NCI CGAP PNS1 Homo sapiens CDNA clone IMAGE:1440472 3' similar to TR:Q39865 Q39865 HYDROXYPROLINE-RICH GLYCOPROTEIN ; contains element MER30 repetitive element , mRNA sequence.
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National Cancer Institute, Cancer Genome Anatomy Project (CGAP),
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/db_xref="taxon:9606"
/clone="IMAGE:1440472"
/clone_lib="NCI_CGAP_PNS1"
/tissue_type="dorsal_root ganglion"
/lab_host="DH108"
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Pred. No. 1.7e+05;
                                                                                                                                                                                                                                                                                                                                /organism="Arabidopsis thaliana"
/strain="Columbia 0"
/db_xref="taxon:3702"
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Trace considered overall poor quality
Insert Length: 1082 Std Brror: 0.00
Seq primer: -40ml3 fwd. ET from Amersham
High quality sequence stop: 1.
Location/Qualifiers
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100.0%; Pred. No. ...
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Inpublished (1997)
Contact: Robert Strausberg, Ph.D.
Email: cgapbs-r@mail.nih.gov
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GenCore version 5.1.6 Copyright (c) 1993 - 2003 Compugen Ltd.

OM nucleic - nu	OM nucleic - nucleic search, using sw model
Run on:	June 23, 2003, 01:05:28 ; Search time 348.884 Seconds (without alignments) 2502.502 Million cell updates/sec .
Title: Perfect score: Sequence:	US-08-770-564A-8 30 1 GCTCTAGAATGAACGGTGGAAGGCGGCAGG 30
Scoring table:	OLIGO_NUC Gapop_60.0 , Gapext 60.0
Searched:	2054640 segs, 14551402878 residues
Word size :	0
Total number.of	Total number of hits satisfying chosen parameters: 841850
Minimum DB seq length: 0 Maximum DB seq length: 50	length: 0 Length: 50
Post-processing	Post-processing: Listing first 45 summaries
Database :	GenEmb1:*

GenEmbl:*

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Pred. No. is the number of results predicted by chance to have a

1 (bases 1 to 30)

Kim.N.Woo., Wu.F., Kealey,J.T., Pruzan,R. and Weinrich,S.L.

Methods for detecting the RNA component of telomerase

Patent: US 584673-3.A 8 08-DEC-1998;

Location/Qualifiers

REFERENCE AUTHORS TITLE JOURNAL FEATURES

PAT 29-SEP-1999

linear

DNA

ALIGNMENTS

30 bp Sequence 8 from patent US 5846723. AR063832.1 GI:5993140

RESULT 1
AR063832
LOCUS
DEFINITION
ACCESSION
VERSION
KEYWORDS
SOURCE
ORGANISM

Unknown. Unknown. Unclassified.

No. Score Match Length DB ID						SUMMARIES	
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1 (bases 1 to 30)
1 (bases 1 to 30)
Pruzan, R.A. and Kealey, J.T.
Pruzan, R.A. and Kealey, J.T.
Purified telomerase
Patent: US 596806-A 6 19-OCT-1999;
Location/Qualifiers
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Unknown.
Unclassified.
Unclassified.
I bases 1 to 27)
Kim, N Woo., Wu,F., Kealey,J.T., Pruzan,R. and Weinrich,S.L.
Methods for detecting the RNA component of telomerase
Patent: US 5846723-A 26 08-DEC-1998;
Locarion/Qualifiers
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llarity 100.0%; Pred. No. 6.5e-0
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Sequence 26 from patent US 5846723.
AR063850.1 GI:5993158
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Sequence 2 from Patent WO0190409.
AX317989.1 GI:17900798
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Pred. No.
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ilarity 100.0%; Pi
Conservative 0;
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      29; Conservative
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Method of detection by enhancement of silver staining
Patent: WO 0204681-A 2 17-3AN-2002;
NORTHWENERN UNIVERSITY (US)
Location/Qualifiers
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1.7e-06;
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/organism="synthetic construct"
/db_xref="taxon:32630"
/note="synthetic oligomer"
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1 (bases 1 to 30)
Atkinson, E.M. and Kealey, J.T.
PURIFIED TELOMERASE
PARTHER DY 8845450-A 6 15-OCT-1998;
GERON CORP (US)
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100.0%; Score 30; DB
Best Local Similarity 100.0%; Pred. No. 1.7
Matches 30; Conservative 0; Mismatches
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/organism="unidentified"
/db_xref="taxon:32644"
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Sequence 2 from Patent WO0204681.
AX465471
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Sequence 6 from Patent WO9845450.
A84596
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1 (bases 1 to 26)
Villeponteau, B., Feng, J., Funk, W. and Andrews, W.H. Mammalian telomerase
Patent: US 5837857-A 23 17-NOV-1998;
Location/Qualifiers
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                                           Query Match 73.3%; Score 22; DB 6; Length 26; Best Local Similarity. 100.0%; Pred. No. 0.066; Matches 22; Conservative 0; Mismatches 0; Indels
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Location/Qualifiers
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Sequence 23 from patent US 5837857.
AR059216.1 GI:5984793
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AR028786
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unidentified
unclassified.
1 (bass 1 to 26)
Emrich, T.D.
Method for detection of carcinoma of the urinary bladder within a
                                                     Chen,X.Q. and Anker,P.
Cancer diagnosis method
Patent: WO 0190409-A 2 29-NOV-2001;
Chen, Xu Qi (US) ; Stroun, Maurice (CH) ; Anker, Philippe (CH)
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Unclassified.
1 (bases 1 to 26)
1 (bases 2 to 26)
Villeponteau, B., Feng, J., Funk, W. and Andrews, W.H. Assays for the DNA component of human telomerase Patent: US 5776679-A 23 07-UUL-1998;
Location/Qualifiers
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ROCHE DIAGNOSTICS GMBH (DE)
Location/Qualifiers
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Sequence 23 from patent US 5776679.
AR016055.1 GI:3972332

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    /organism="unidentified"

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Sequence 2 from Patent BP0926245.
A94988
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Method for detection of htr and htert telomerase-associated rna in
plasma or serum
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Mammalia; Butheria; Primates; Catarrhini; Hominidae; Homo.
                                                                                                                                                                                           Gaps
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Pred. No. 0.066;
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1 (Dases 1 to 26)
Larean, F. and Skaanseng, M.
Detecting telomerase activity
Patent: WO 0046601-A 10-AUG-2000;
LARSEN FRANK (NO); SKAANSENG MARIANNE (NO)
LOCATION/Qualifiers
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/db_xref="taxon:32630"
/note="PCR primer"
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Oncomedx, Inc. (US)
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/organism="unidentified"
/db_xref="taxon:32644"
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Sequence 5 from Patent WO0218652.
AX468455
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/db_xref="taxon:9606"
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Sequence 9 from Patent WO0046601.
AX033377
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Addrews, W.H., Villeponteau, B., Adams, R.R. and Feng, J.
Methods and reagents for regulating telomere length and telomerase
activity
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Villeponteau, B., Feng, J., Funk, W. and Andrews, W.H.
Mammalian telomerase
Patent: US 5958680-A 24 28-SEP-1999,
Location/Qualifiers
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GERON CORP (US)
  26 bp
Sequence 24 from patent US 5958680.
AR075527
AR075527.1 GI:10002275
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Sequence 23 from patent US 6258535.
AR161925 GI:16228953
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Matches	ò	QО	Search completed: June Job time : 351.346 Becs

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Sequence 1688, Ap Sequence 1689, Ap Sequence 1690, Ap Sequence 2550, Ap Sequence 2551, Ap Sequence 2553, Ap Sequence 2553, Ap Sequence 13, Appl Sequence 13, Appl Sequence 1005, Ap Sequence 11, Appl Sequence 11, Appl Sequence 11, Appl Sequence 2557, Appl Sequence 2557, Appl Sequence 1005, Appl Sequence 243, Appl Sequence 243, Appl Sequence 25567, A Sequence 23557, A Sequence 104702, Sequence 117265,
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Sequence 5489, Ap
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Harley, Calvin
Andrews, William H.
TITLE OF INVENTION: THERAPEUTIC METHODS
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MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/10/044,692
FILING DATE: 11-Jan-2002
CLASSIFCATION: cUnknown>
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/912,951
FILING DATE: 09-MAY-1997
APPLICATION NUMBER: US 08/851,843
FILING DATE: 06-MAY-1997
APPLICATION NUMBER: US 08/851,843
FILING DATE: 25-APR-1997
APPLICATION NUMBER: US 08/846,017
FILING DATE: 25-APR-1997
APPLICATION NUMBER: US 08/844,419
FILING DATE: 18-APR-1997
US-09-930-423-1688

US-09-930-423-1689

US-09-930-423-1689

US-09-866-108-2561

US-09-866-108-2561

US-09-866-108-2561

US-09-866-108-2562

US-09-866-108-2563

US-09-866-108-2563

US-09-866-108-2564

US-09-97-868-13

US-09-98-2688-10750

US-10-098-2638-10750

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US-10-098-2638-10750
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ADDRESSEE: Townsend and Townsend and Crew STREET: Two Embarcadero Center, 8th Floor CITY: San Francisco
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US-09-866-108-5489
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COUNTRY: United States of America
ZIP: 94111
COMPUTER READABLE FORM:
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US-10-044-692-312
Sequence 312, Application US/10044692
Publication No. US20030096344A1
GENERAL INFORMATION:
APPLICANT: Coch, Thomas R.
Ingner, Joachim
Nakamura, Toru
Chapman, Karen B.
                                                                     NUMBER OF SEQUENCES: 335
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Sequence 11, Appl
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1: /cgn2_6/ptodata/1/pubpna/USO7_PUBCOMB.seq:*
2: /cgn2_6/ptodata/1/pubpna/PCT_NWW_PUB.seq:*
3: /cgn2_6/ptodata/1/pubpna/USO6_NEW_PUB.seq:*
4: /cgn2_6/ptodata/1/pubpna/USO6_PUBCOMB.seq:*
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7: /cgn2_6/ptodata/1/pubpna/USO8_NEW_PUB.seq:*
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14: /cgn2_6/ptodata/1/pubpna/USO0_NEW_PUB.seq:*
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                          GenCore version 5.1.6
Copyright (c) 1993 - 2003 Compugen Ltd.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                US-10-098-263B-118949

US-09-952-522B-19

US-09-952-522B-19

US-09-969-373-1959

US-09-952-522B-17

US-09-952-522B-17

US-09-952-522B-17

US-09-952-522B-17

US-09-952-522B-17

US-09-952-522B-17

US-09-952-522B-17

US-09-952-522B-17

US-09-952-522B-17

US-00-962-1112-6862

US-10-215-112-6862

US-10-215-112-6862

US-10-215-112-6862

US-10-215-112-13825

US-10-215-112-13825
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US-09-930-423-1300
                                                                                                                                                                                                                                                                                  1 GCTCTAGAATGAACGGTGGAAGGCGGCAGG 30
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          US-10-044-692-312
US-10-044-539-312
                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Total number of hits satisfying chosen parameters:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         US-10-011-366-16
                                                                                                                                                                                                                                                                                                                                                                                        1042519 segs, 733713590 residues
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      SUMMARIES
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Post-processing: Listing first 45 summaries
                                                                                                             nucleic search, using sw model
                                                                                                                                                                                                                                                                                                                          OLIGO_NUC
Gapop_60.0 , Gapext 60.0
                                                                                                                                                                                                                                 US-08-770-564A-8
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Match Length DB
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Minimum DB seq length: 0 Maximum DB seq length: 50
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Perfect score:
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Word size :

Searched:

Sequence:

Database:

Result

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OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/057,351
FILING DATE: 08-APR-1994
CLASSIFICATION: 435
NAME: Apple, Randolph T.
REGISTRATION NUMBER: 36,429
REFERENCE/DOCKET NUMBER: 015389-002600US
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Townsend and Townsend and Crew LLP
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              STREET: Two Embarcadero Center, Bighth Floor
CITY: San Francisco
STATE: California
                                                                                                                                                                                                                                                                                                                                                             Score 22; DB 9; 1
Pred. No. 0.0012;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | Sequence 23, Application US/09057351 | Patent No. US2001003443941 | GENERAL INPORMATION: APPLICANT: Villeponteau, Bryant APPLICANT: Feng, Juni APPLICANT: Feng, Juni APPLICANT: Funk, Walter APPLICANT: Andrews, William H. TITLE OF INVENTION: Mammalian Telomerase NUMBER OF SEQUENCES: 42 CORRESPONDENCE ADDRESS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                015389-000821US
                                                                                                                                                                                                                                                                                                                                                                                                       Mismatches
                                                                                                                                                                                                                               ; TOPOLOGY: linear; MOLECTLE TYPE: DNA SEQUENCE DESCRIPTION: SEQ ID NO: 312: US-10-044-539-312
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/272,102
FILING DATE: 07-0UL-1994
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/330,123
FILING DATE: 27-0CT-1994
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/472,802
FILING DATE: 07-0UN-1995
ATTORNEY/AGENT INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                  1 GCTCTAGAATGAACGGTGGAAG 22
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            5 gcrcragaargaacggragaag 26
                                                                     TELECOMMUNICATION INFORMATION:
TELEPHONE: (415) 576-0200
                                                                                                              TELEFAX: (415) 576-0300 INFORMATION FOR SEQ ID NO: 312: SEQUENCE CHARACTERISTICS:
                                                                                                                                                                                                                                                                                                                                                           Query Match 73.3%; Soc
Best Local Similarity 100.0%; P.
Matches 22; Conservative 0;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           32,944
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TELECOMMUNICATION:
                                                                                                                                                                                     LENGTH: 26 base pairs
                                                                                                                                                                                                          TYPE: nucleic acid
STRANDEDNESS: single
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           (415) 576-0200
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   ZIP: 94111-3834
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                TELEFAX: (415) 576-0300 INFORMATION FOR SEQ ID NO: :
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    NAME: Storella, John R
REGISTRATION NUMBER: 3:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     LENGTH: 26 base pairs
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EDNESS: single
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      COUNTRY:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               RESULT 3
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TITLE OF INVENTION: HUMAN TELOMERASE CATALYTIC SUBUNIT: DIAGNOSTIC AND THERAPEUTIC METHODS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                              ö
                                                                                                                                                                                                                                                                                                                                                                                                                                  Length 26;
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COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/10/044,539
FILING DATE: 11-Jan-2002
CLASSIFICATION A35
PRIOR APPLICATION DATA:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        ADDRESSEE: Townsend and Townsend and Crew LLP STREET: Two Embarcadero Center, 8th Floor CITY: San Francisco
                                                                                                                                                                                                                                                                                                                                                                                                                  DB 9; Lens.
                                                                REGISTRATION NUMBER: 36,429
REFERENCE/DOCKET NUMBER: 015389-002600US
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      FILING DATE: <Unknown>
APPLICATION NUMBER: US 08/854,050
FILING DATE: 09-MAY-1997
APPLICATION NUMBER: US 08/851,843
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  FILING DATE: 25-APR-1997
APPLICATION NUMBER: US 08/844,419
FILING DATE: 18-APR-1997
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         COUNTRY: United States of America ZIP: 94111
COMPUTER READABLE FORM:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         FILING DATE: 06-MAY-1997
APPLICATION NUMBER: US 08/846,017
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   APPLICATION NUMBER: US 08/724,643
FILING DATE: 01-OCT-1996
                                                                                                                                                                                                                                                                                                                                                                                                                                  73.3%; Score 22; DB 100.0%; Pred. No. 0.0: ive 0; Mismatches
           APPLICATION NUMBER: US 08/724,643
                                                                                                                                                                                                                                                                                                                      TOPOLOGY: linear
MOLECULE TYPE: DNA
SEQUENCE DESCRIPTION: SEQ ID NO: 312:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 APPLICATION NUMBER: 08/912,951
                                                                                                                                                              TELEPHONE: (415) 576-0200
TELEPAK: (415) 576-0300
INFORMATION FOR SEQ ID NO: 312:
SEQUENCE CHARACTERISTICS:
LENGTH: 26 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Sequence 312, Application US/10044539
Publication No. US20030100093A1
GENERAL INFORMATION:
APPLICANT: Cech, Thomas R.
Lingner, Joachim
Nakamura, Toru
Chapman, Karen B.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       1 GCTCTAGAATGAACGGTGGAAG 22
                                                                                                                                          TELECOMMUNICATION INFORMATION: TELEPHONE: (415) 576-0200
                             FILING DATE: 01-OCT-1996
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               ATTORNEY/AGENT INFORMATION:
                                                  ATTORNEY/AGENT INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Morin, Gregg B.
Harley, Calvin
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      CORRESPONDENCE ADDRESS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           California
                                                                                                                                                                                                                                                                                                                                                                                                                                Query Match
Best Local Similarity 100.0
Matches 22; Conservative
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Sequence 3, Application US/09844006A
; Sequence 3, Application US/09844006A
; Patent No. US2002003496A1
; GENERAL INFORMATION:
; APPLICANT: Toou, Pei-Lan
; APPLICANT: Toou, Pei-Lan
; APPLICANT: Robertson, Dominique
; APPLICANT: Robertson, Dominique
; APPLICANT: Robertson, Dominique
; APPLICANT: Robertson, Dominique
; APPLICANT: Robertson, Nominique
; TILLE OR INVENTION: TRANSGENIC PLANTS WITH INCREASES IN CALCIUM STORES
; FILE REFERENCE: 5051.503
; CURRENT APPLICATION NUMBER: US/09/844,006A
; CURRENT FILING DATE: 2001-04-30
; PRIOR APPLICATION NUMBER: 60/200,233
PRIOR APPLICATION NUMBER: 60/200,233
; NUMBER OF SEQ ID NOS: 8
; SOFTWARE: Patentin version 3.0
; SEQ ID NO 3.
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43.3%; Score 13; DB 10; Length 28;
Best Local Similarity 100.0%; Pred. No. 2.3e+02;
Matches 13; Conservative 0; Mismatches 0; Indels
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                                                   43.3%; Score 13; DB 9; Length 26; 100.0%; Pred. No. 2.3e+02;
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Patent No. US2002011289A1

GENERAL INFORMATION:
APPLICANT: VOGELETH, Bert
APPLICANT: Kinzler, Kenneth
APPLICANT: Hermeking, Heiko
ITILE OF INVENTION: CDK4 IS A TARGET OF C-MYC
FILE REFERENCE: 01107.00092
CURRENT APPLICATION NUMBER: US/09/780,566
CURRENT APPLICATION NUMBER: 05/181,930
FRIOR APPLICATION NUMBER: 60/181,930
FRIOR APPLICATION NUMBER: 60/181,930
FRIOR FILING DATE: 2000-02-11
NUMBER OF SEQ ID NOS: 14
SOFTWARE: FASTSEQ for Windows Version 4.0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Query Match 43.3%; Score 13; DB Best Local Similarity 100.0%; Pred. No. 2.3 Matches 13; Conservative 0; Mismatches
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COTHER INFORMATION: PCR primers
US-09-780-566-11
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   TYPE: DNA
ORGANISM: Artificial Sequence
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   ORGANISM: Artificial Sequence
                                                                                                                                               1 GCTCTAGAATGAA 13
                                                                                                                                                                                    1 GCTCTAGAATGAA 13
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         FEATURE:
NAME/KEY: misc_feature
LOCATION: (1)..(28)
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Best Local Similarity
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US-09-780-566-11/c
    US-09-952-522B-19
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US-10-098-263B-118949/C

US-10-098-263B-118949/C

SEQUENCE 118949, Application US/10098263B

PUBLICACTION NO. US20030104410A1

GENERAL INFORMATION:
APPLICANT: MIttman, Michael
TITLE OF INVENTION: Human Microarray
FILE REFERENCE: 3118.1

CURRENT FAPLICATION NUMBER: US/10/098,263B

CURRENT FILING DATE: 2003-01-08

PRIOR APPLICATION NUMBER: 60/276,759

PRIOR APPLICATION NUMBER: 60/276,759

NUMBER OF SEQ ID NOS: 131066

SOFTWARE: Microarray Probe Sequence Listing Generator V 1.1

LENGHALE: 25

MUMBER OF SEQ ID NOS: 131066
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Sequence 19, Application US/0995252B

Sequence 19, Application US/0995252B

Publication No. US20030082152A1

GENERAL INFORMATION:

APPLICANT: Katz, Adam J.

APPLICANT: Lull, Ramon

APPLICANT: Benhaim, Prosper

APPLICANT: Benhaim, Prosper

APPLICANT: Benhaim, Prosper

APPLICANT: ADINOSE-DERIVED STEM CELLS AND LATTICES

TITLE OF INVENTION: ADIPOSE-DERIVED STEM CELLS AND LATTICES

FILE REFERENCE: 30448.77US11

CURRENT APPLICATION NUMBER: US/09/952,522B

CURRENT FILING DATE: 2001-09-10

PRIOR APPLICATION NUMBER: PCT/US00/06232

PRIOR PILING DATE: 1999-03-10

PRIOR FILING DATE: 1999-03-10

PRIOR FILING DATE: 1999-03-10

PRIOR FILING DATE: 1999-10-29

NUMBER OF SEQ ID NOS: 58

NUMBER OF SEQ ID NOS: 58

SOFTWARE PATEUTIN VET: 2.1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            OTHER INFORMATION: Description of Artificial Sequence: Bone OTHER INFORMATION: sialoprotein forward primer
                                                                                                   Length 26
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          DB 9; Length 25; 2.4e+02;
                                                                                                                                               0; Indels
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                                                                                              DB 10;
0.0012;
                                                                                              73.3%; Score 22; DB 100.0%; Pred. No. 0.0:ive 0; Mismatches
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                                                                                                                                                                                                                  5 GCTCTAGAATGAACGGTGGAAG 26
                                                                                                                                                                                         1 GCTCTAGAATGAACGGTGGAAG 22
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    TYPE: DNA
ORGANISM: Artificial Sequence
                                                                                         Query Match
Best Local Similarity 100.0
Matches 22; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Query Match 43.3
Best Local Similarity 100.
Matches 13, Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             3 TCTAGAATGAACG 15
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           20 TCTAGAATGAACG 8
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 TYPE: DNA
ORGANISM: Homo sapien
; TOPOLOGY: linear; MOLECULE TYPE: DNA US-09-057-351-23
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     US-10-098-263B-118949
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US-09-952-522B-19
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LENGTH: 26
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Gaps

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Sequence 676, Application US/0954853A

Fublication No. US20030005491A1

GENERAL INFORMATION:

APPLICANT: Hauge, Brian M.

APPLICANT: Hauge, Diemy D.

APPLICANT: Parsons, Jeremy D.

TITLE OF INVENTION: Novleic Acid Molecules And Other Molecules Associated With

TITLE OF INVENTION: Soybean Cyst Nematode Resistance

FILE REFERENCE: 38-10(15810)B

CURRENT PILING DATE: 2001-01-05

PRIOR APPLICATION NUMBER: US 60/174,880

PRIOR FILING DATE: 2000-01-07

NUMBER OF SEQ ID NOS: 1119

SEQ ID NO 676

FEAST PARSON FOR SEQ ID NOS: 1119
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                                                                                                                                                                                                                                                                                                                                                                    | APPLICANT: Ratz, Adam J.
| APPLICANT: Ratz, Adam J.
| APPLICANT: Elull, Ramon J.
| APPLICANT: Fulull, Ramon J.
| APPLICANT: Fulull, Ramon J.
| APPLICANT: Fulull, Marc H.
| APPLICANT: Benhaim, Prosper
| APPLICANT: Lau, Min Prosper
| APPLICANT: Lau, Min Prosper
| APPLICANT: Lau, Min ADIPOSE-DERIVED STEM CELLS AND LATTICES
| TILLE REFERENCE: 30448-770S11 SO9/952,522B |
| CURRENT APPLICATION NUMBER: 05/09/952,522B |
| CURRENT FILING DATE: 2001-09-10 |
| PRIOR PELICATION NUMBER: 60/123,711 |
| PRIOR FILING DATE: 1999-10-29 |
| PRIOR FILING DATE: 1999-10-29 |
| PRIOR FILING DATE: 1999-10-29 |
| NUMBER OF SEQ ID NOS: 58 |
| SOFWWARE: Patentin Ver: 2.1 |
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            ; OTHER INFORMATION: Description of Artificial Sequence: PPAR; OTHER INFORMATION: forward primer US-09-952-5228-31
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Length 23;
Length 23;
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                            9.2e+02;
                                                        0; Mismatches
                                                                                                                                                                                                                                                                                        Sequence 31, Application US/09952522B Publication No. US20030082152Al GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   TYPE: DNA ORGANISM: Artificial Sequence
                            100.0%;
Query Match 40.0
Best Local Similarity 100.
Matches 12; Conservative
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Best Local Similarity
Matches 12; Conserv
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US-09-754-853A-676
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        Gaps
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TITLE OF INVENTION: ADIPOSE-DERIVED STEM CELLS AND LATTICES
FILE REPERENCE: 30448_770811
CURRENT APPLICATION WUMBER: US/09/952,522B
CURRENT FILING DATE: 2001-09-10
PRIOR FILING DATE: 2000-031
PRIOR FILING DATE: 1999-03-10
PRIOR FILING DATE: 1999-03-10
PRIOR FILING DATE: 1999-10-29
NUMBER OF SEQ ID NOS: 58
NUMBER OF SEQ ID NOS: 58
                                                                                                                                                                                                                                   Sequence 1959, Application US/09969373
; Sequence 1959, Application US/09969373
; Patent No. US20020133852A1
; GENERAL INFORMATION:
    APPLICANT: Effertz, Roger J.
    APPLICANT: Hauge, Brian M.
    TITLE OF INVENTION: Soybean SSRs and Methods of Genotyping
    TITLE OF INVENTION: Soybean SSRs and Methods of Genotyping
    TITLE OF INVENTION: Soybean SSRs and Methods of Genotyping
    TITLE OF INVENTION: Soybean SSRs and Methods of Genotyping
    TITLE OF INVENTION: Soybean SSRs and Methods of Genotyping
    TITLE OF INVENTION UNMERR: US/09/969,373
    CURRENT FILING DATE: 2001-01-02
    PRIOR FILING DATE: 2001-01-13
    PRIOR FILING DATE: 2001-01-13
    PRIOR FILING DATE: 2001-01-13
    PRIOR FILING DATE: 2001-01-05
    NUMBER OF SEQ ID NOS: 4593
    SEQ ID NOS: 4593
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        0; Indels
           0; Mismatches
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APPLICANT: Liull, Ramon
APPLICANT: Furrell, J. William
APPLICANT: Hedrick, Marc H.
APPLICANT: Benhaim, Prosper
APPLICANT: Lorenz, Hermann Peter
APPLICANT: Zhu, Min
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Query Match
Best Local Similarity 100.0%;
Matches 12; Conservative 0
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           13; Conservative
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LENGTH: 23
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           Matches
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15 GCTCTAGAATGA 4

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TYPE: DNA ORGANISM: Artificial Sequence
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Best Local Similarity 100.
Matches 12, Conservative
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US-10-215-112-13825/c
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; ОТНЕR INFORMATION: Clone ID: 318013_region_A3_18757_13_Reverse_Primer_Seq
US-09-754-853A-676
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US-10-215-112-6862/c
; Sequence 6862, Application US/10215112
; Bublication No. US20030082596A1
; GENERAL INFORMATION:
; APPLICANT: Michael Mittmann
; TITLE OF INVENTION: Method of Genetic Analysis of Probes:
TITLE OF INVENTION: Test3
; FILE REPRENCE: 3119
; CURRENT APPLICATION NUMBER: US/10/215,112
; CURRENT FILING DATE: 2002-08-08
; NUMBER OF SEQ ID NOS: 14936
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 6862
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Query Match 40.0%; Score 12; DB 9; Length 24; Best Local Similarity 100.0%; Pred. No. 9.1e+02; Matches 12; Conservative 0; Mismatches 0; Indels
                                                                                                                                                                                                                                                                                                    Sequence 3143, Application US/09940185

Publication No. US20030096239A1

GENERAL INFORMATION:

APPLICANT: Gunderson, Kevin

APPLICANT: Gunderson, Kevin

TITLE OF INVENTION: Probes and Decoder Oligonucleotides

TITLE OF INVENTION: Probes and Decoder Oligonucleotides

FILE REFERENCE: A-6606-1

CURRENT APPLICATION NUMBER: US/09/940,185

CURRENT FILING DATE: 2001-08-27

PRIOR FILING DATE: 2000-08-25

PRIOR PLING DATE: 2000-08-25

PRIOR FILING DATE: 2000-08-25

PRIOR FILING DATE: 2000-08-25

SOFTWARE: Patentin version 3.1

SEQ ID NO 3143
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40.0%; Score 12; DB 9; Length 25;
Best Local Similarity 100.0%; Pred. No. 9.1e+02;
Matches 12; Conservative 0; Mismatches 0; Indels
                                                                 DB 9; Length 24;
9.1e+02;
hes 0; Indels
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US-09-940-185-3143
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COTHER INFORMATION: Synthetic Oligonucleotide
US-10-215-112-6862
                                                                 Query Match
Best Local Similarity 100.0%; Pred. No. 9.1
Matches 12; Conservative 0; Mismatches
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US-10-215-112-8975
; Sequence 8975, Application US/10215112
; Sequence 8975, Application Wo. US20030082596A1
; GENERAL INFORMATION:
; APPLICANT: Michael Mittmann
; TITLE OF INVENTION: Method of Genetic Analysis of Probes:
TITLE OF INVENTION: Test3
; FILE REFERENCE: 3119
; CURRENT APPLICATION NUMBER: US/10/215,112
; CURRENT FILING DATE: 2002-08-08
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 8975
; LENGTH: 25
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Sequence 13825, Application US/10215112
; Bublication No. US20030082596A1
; GENERAL INFORMATION:
    APPLICANT: Michael Mittmann
; TITLE OF INVENTION: Method of Genetic Analysis of Probes:
    TITLE OF INVENTION: Test3
; FILE REPRENEUS: 3119
; CURRENT APPLICATION: NUMBER: US/10/215,112
; CURRENT FILING DATE: 2002-08-08
; NUMBER OF SEQ ID NOS: 14936
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 13825
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40. 9.1e+02; Indels
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Best Local Similarity 100.0%; Pred. No. 9.1e+02;
Matches 12; Conservative 0; Mismatches 0;
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; OTHER INFORMATION: Synthetic Oligonucleotide
US-10-215-112-13825
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/cgn2_6/ptcdata/2/pna/US102B_COMB.seq:
  5.1.6
Compugen Ltd.
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Gapop_60.0 , Gapext 60.0
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Maximum DB seq length: 50
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Sequence Seguence Sequence Sequence Sequence

Sequence Sequence Sequence

Sequence 8, Sequence 8, Sequence 10 Sequence 5,

Description

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Length

Query Match

SUMMARIES

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COMB. Seq: *
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Gaps

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Query Match
Best Local Similarity 100.0%; Pred. No. 1.9e-06;
Matches 30; Conservative 0; Mismatches 0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                    Sequence 5, Application US/08510736
Sequence 5, Application US/08510736
Sequence 5, Application US/08510736
SENERAL INFORMATION:
APPLICANT: Weinstch, Scott L.
APPLICANT: Lichtsteiner, Serge
APPLICANT: Useserot, Alain P.
APPLICANT: Vasserot, Alain P.
APPLICANT: Vasserot, Alain P.
APPLICANT: Pruzan, Ronald A.
TITLE OF INVENTION: Methods for Purifying Telomerase
NUMBER OF SEQUENCES: 11
CORRESPONDENCE ADDRESS:
ADDRESSEE: Townsend and Townsend and Crew
STREET: One Market Plaza, Steuart Tower, Suite 2000
STATE: California
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.25
SOFTWARE: Patentin Release #1.0, Version #1.25
CURRENT APPLICATION DATE:
APPLICATION NUMBER: US/08/510,736
FILING DATE: 04-AUG-1995
CLLASSIPICATION: 435
ATTORNEY/AGENT INFORMATION:
NAME: Smith, William M.
REGISTRATION NUMBER: 30,223
REFERENCE/POCKET NUMBER: 015389-001100
TELECOMMUNICATION INFORMATION:
TELEPHONE: 415-326-2400
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        100.0%; Score 30; DB 9; 1
100.0%; Pred. No. 1.9e-06;
ative 0; Mismatches 0;
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                                                                                                    ; NAME/KEY: -
; LOCATION: 1..30
; OTHER INFORMATION: /note= "oligo 21"
PCT-US97-23619-8
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COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
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INFORMATION FOR SEQ ID NO:
SEQUENCE CHARACTERISTICS:
LENGTH: 30 base pairs
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Conservative
LENGTH: 30 base pairs
                 TYPE: nucleic acid
STRANDEDNESS: single
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US-08-510-736-5
                                                      TOPOLOGY: linear
MOLECULE TYPE: DNA
FEATURE:
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Best Local Similarity
Matches 30; Conserv
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US-08-510-736-5
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Sequence 598, App
Sequence 598, App
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Sequence 298, App
Sequence 26, Appl
Sequence 26, Appl
Sequence 312, App
Sequence 312, App
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                                                                                                                                                                                          Sequence 4, Sequence 45, Sequence 598
                                                                          Sequence 23
Sequence 31.
                                                                                                                 Sequence 17
Sequence 59
Sequence 23
Sequence 23,
                                         Sequence 23
                                                          Sequence 2:
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   CONDITY: 0.534

COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Datentin Release #1.0, Version #1.30
SOFTWARE: Patentin Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: PCT/US97/23619
FLING DATE: Not yet assigned
CLASSIPICATION:
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/770,564
FILING DATE: 20-DEC-1996
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/770,565
FILING DATE: 20-DEC-1996
ATTORNEY/AGENT INFORMATION:
NAME: Storella, John R.
REGISTRATION NUMBER: 15389-27PC
TELECOMMUNICATION INFORMATION:
                                     US-08-660-678-23

US-08-911-312-23

US-08-912-951-312

US-08-912-951-312

US-08-973-589-17

US-09-974-549-598

US-09-250-336-4

US-09-250-336-4

US-09-250-318-598

US-09-402-181A-598

US-09-402-181A-598

US-09-402-181A-598

US-09-402-181B-598

US-09-402-181B-598

US-09-402-181B-598

US-09-653-573-5

US-09-721-506-598

US-09-890-567-9

US-09-890-567-9

US-09-890-567-9

US-10-044-539-312
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     APPLICANT:
TITLE OF INVENTION: Methods for Detecting and In TITLE OF INVENTION: RNA Component of Telomerase NUMBER OF SEQUENCES: 29 CORRESPONDENCE ADDRESS:
ADDRESSEE: Townsend and Townsend and Crew LLP STREET: Two Embarcadero Center, Eighth Floor CITY: San Francisco STATE: California
                                                                                                                                                                                                                                                                                                                                                                                                                  PCT-US97-23619-9
US-08-770-564A-9
   US-08-520-550-19
US-08-521-634-41
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Sequence 8, Application PC/TUS9723619
GENERAL INFORMATION:
APPLICANT:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            TELEFAX: (415) 576-0300 INFORMATION FOR SEQ ID NO: 8 SEQUENCE CHARACTERISTICS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               USA
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     RESULT 1
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Gaps

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Indels

Length 30;

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OTHER INFORMATION: Biotin 5'-terminal OTHER INFORMATION: Description of Artificial Sequence: Affinity Agent
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APPLICANT: Atkinson III, Edward M
APPLICANT: Lichteteiner, Serge P
APPLICANT: Lichteteiner, Serge P
APPLICANT: Lichteteiner, Serge P
APPLICANT: Pruzan, Ronald A
TITLE OF INVENTION: A Method for Purifying Telomerase
TILE REFERENCE: PurifideTelomeraseOilbase
CURRENT FILING DATE: 2000-11-20
PRIOR PELING DATE: 1999-10-18
PRIOR PILING DATE: 1999-10-18
PRIOR PILING DATE: 1999-10-18
PRIOR APPLICATION NUMBER: 08/833,377
PRIOR APPLICATION NUMBER: 08/810,736
PRIOR APPLICATION NUMBER: 08/810,736
PRIOR APPLICATION NUMBER: 08/510,736
PRIOR APPLICATION NUMBER: 1095-08-04
NUMBER OF SEQ ID NOS: 11
SOFTWARE: PatentIN Ver: 2.1 edited
SEQ ID NO 5
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Query Match 100.0%; Score 30; DB 28; Best Local Similarity 100.0%; Pred. No. 1.9e-06; Matches 30; Conservative 0; Mismatches 0;
                                                                                                                                                                    JOS-09-717-826A-25

GENERAL INFORMATION:
GENERAL INFORMATION:
APPLICANT: Weinrich, Scott L
APPLICANT: Atkinson III, Edward M
APPLICANT: Lichtsteiner, Serge P
APPLICANT: Lichtsteiner, Serge P
APPLICANT: Vasserot, Allain P
APPLICANT: Pruzan, Ronald A
TITLE OF INVENTION: Purified Telomerase
FILE REFERENCE: PurifiedTelomeraseol11base
CURRENT FILING DATE: 2000-11-20
PRIOR APPLICATION NUMBER: 09/420,056
PRIOR FILING DATE: 1999-10-18
PRIOR FILING DATE: 1997-04-04
PRIOR FILING DATE: 1997-04-04
PRIOR FILING DATE: 1995-08-04
NUMBER OF SEQ ID NOS: 11
SOFTWARE: PATENTIN VOICE: 21 (edited)
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       TYPE: DNA ORGANISM: Artificial Sequence
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         TYPE: DNA ORGANISM: Artificial Sequence
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                                                                     APPLICANT: Kealey, James T.
APPLICANT: Pruzan, Ron
APPLICANT: Pruzan, Scott L.
TITLE OF INVENTION: Inhibitory Polynucleotides Directed
TITLE OF INVENTION: Against the RNA Component of Telomerase
NUMBER OF SEQUENCES: 15
CORRESPONDENCE ADDRESS:
ADDRESSE: TOWNSEND and TOWNSEND and CREW LLP
STREET: Two Embarcadero Center, 8th Floor
CITY: San Prancisco
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Query Match 100.0%; Score 30; DB 21; Length 30; Best Local Similarity 100.0%; Pred. No. 1.9e-06; Matches 30; Conservative 0; Mismatches 0; Indels
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APPLICANT: Gryznov, Sergei
APPLICANT: Pruzan, Ronald
APPLICANT: Weinrich, Scott
TITLE OF INVENTION: Telomerase Inhibitor Polymucleotides
FILE REPERENCE: 029/001
CURRENT APPLICATION NUMBER: U3/09/540,119B
CURRENT FILING DATE: 2000-03-31
NUMBER OF SEQ ID NOS: 25
SEPTHARE: Patentin version 3.1
SEQ ID NO 10
LENGTH: 30
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        CURRENT APPLICATION DATA:

CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/08/770,564A
FILING DATE: 20-DEC.1996
CLASSIFICATION: 514
ATTONENY/AGENT INPOMMATION:
NAME: Storella, John R.

REGISTRATION NUMBER: 32,944
REBRENCE/POCKET NUMBER: 015389-002200US
TELECOMMULICATION:
TELECOMMULICATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Query Match
Best Local Similarity 100.0%; Pred. No. 1.9e-06;
Matches 30; Conservative 0; Mismatches 0;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                1 GCTCTAGAATGAACGGTGGAAGGCGGCAGG 30
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MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
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US-09-540-119B-10
; Sequence 10, Application US/09540119B
; GENERAL INFORMATION:
                   Sequence 8, Application US/08770564A GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                TELEFAX: 415-576-0300
INFORMATION FOR SEQ ID NO: 8: SEQUENCE CHARACTERISTICS:
LENGTH: 30 base pairs
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               TYPE: nucleic acid
STRANDEDNESS: single
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CORGANISM: Homo sapiens
US-09-540-1198-10
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                                                                                                                                                                                                                                                                                                                                                                                             ZIP: 94111
                                                                                                                                                                                                                                                                                                             CITY: Sar
STATE: CA
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; FEATURE:
; OTHER INFORMATION: synthetic oligomer
US-09-903-461-2
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        TOPOLOGY: 11:
MOLECULE TYPE:
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APPLICANT:
APPLICANT:
                                                                                                                                                                                                                                                                                                                              RESULT
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APPLICANT: Letsinger, Niewanacham
TITLE OF INVENTION: Method of Detection by Enhancement of Silver Staining
FILE REFERENCE: 00-1086-A
CURRENT APPLICATION NUMBER: US/09/903,461
CURRENT FILING APFE: 2001-07-11
PRIOR APPLICATION NUMBER: 60/217,782
PRIOR FILING DATE: 2000-07-11
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               LOCATION: (1)
OTHER INFORMATION: Biotin 5'-terminal
OTHER INFORMATION: Description of Artificial Sequence: Affinity Agent
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Query Match 100.0%; Score 30; DB 28; Length 30; Best Local Similarity 100.0%; Pred. No. 1.9e-06; Matches 30; Conservative 0; Mismatches 0; Indels
                                                                                                                                    Length 30;
                                                                                                                                                                                     Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                            APPLICANT: Weinrich, Scott L
APPLICANT: Atkinson III, Edward M
APPLICANT: Lichtseiner, Serge P
APPLICANT: Lichtseiner, Serge P
APPLICANT: Lichtseiner, Serge P
APPLICANT: Pruzan, Ronald A
TITLE OF INVENTION: A Method for Purifying Telomerase
CURRENT PRING DATE: 1000-11-20
FILE REFRENCE: PurifiedTelomerase011base
CURRENT APPLICATION NUMBER: US/09/717,829A
CURRENT APPLICATION NUMBER: 09/420,056
PRIOR APPLICATION NUMBER: 09/420,056
PRIOR PILING DATE: 1999-10-18
PRIOR PILING DATE: 1999-04-04
PRIOR PILING DATE: 1999-08-04
NUMBER: OF SEG ID NOS: 11
SOSTWARE: PatentIn Ver. 2.1 edited
                                                                                                                               ch 100.0%; Score 30; DB 28; 1. Similarity 100.0%; Pred. No. 1.9e-06; 30; Conservative 0; Mismatches 0;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               GCTCTAGAATGAACGGTGGAAGGCGGCAGG 30
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           1 GCTCTAGAATGAACGGTGGAAGGCGGCAGG 30
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   ORGANISM: Artificial Sequence
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SOFTWARE: Microsoft Word 98
SEQ ID NO 2
LENGTH: 30
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   NAME/KEY: misc_feature
                                                                                                                                       Query Match
Best Local Similarity
Matches 30; Conserva
                                                                                      US-09-717-828B-5
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     Length 30;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              ZIP: 3411.3834

COMPUTER REALABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: PCT/US97/23619
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    IOCATION: 1..27
CHER INFORMATION: /note= "hTR reverse primer"
PCT-US97-23619-26
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 STREET: Two Lownsend and Townsend and Crew LLP CITY: San Prancisco Center, Eighth Floor STATE: California
Score 30; DB 34;
Pred. No. 1.9e-06;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       76.7%; Score 23; DB 1;
100.0%; Pred. No. 0.017;
cive 0; Mismatches
  Query Match 100.0%; Score 30; DB Best Local Similarity 100.0%; Pred. No. 1.9 Matches 30; Conservative 0; Mismatches
                                                                                                  1 GCTCTAGAATGAACGGTGGAAGGCGGCAGG 30
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/770,564
FILING DATE: 20-DEC-1996
FRICH APPLICATION DATA:
APPLICATION NUMBER: US 08/770,565
FILING DATE: 20-DEC-1996
ATTORNEY/AGENT INFORMATION:
NAME: Storella, John R.
REFERENCE/DOCKET NUMBER: 32,944
REFERENCE/DOCKET NUMBER: 15389-27PC
                                                                                                                                                                                                                                                                   Sequence 26, Application PC/TUS9723619 GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             FILING DATE: Not yet assigned
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     TELECOMMUNICATION INFORMATION
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               TELEFAX: (415) 576-0300
INFORMATION FOR SEQ ID NO: 5
SEQUENCE CHARACTERISTICS:
LENGTH: 27 base pairs
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Query Match
Best Local Similarity 100.
Matches 23; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    TYPE: nucleic acid
STRANDEDNESS: single
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         CORRESPONDENCE ADDRESS:
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Sequence 27, Application PC/TUS9614679A
GENERAL INFORMATION:
APPLICANT: VILEBONTEAU, BRYANT
APPLICANT: FENG, JUNLI
APPLICANT: ANDREWS, WILLIAM H.
TITLE OF INVENTION: METHODS AND REAGENTS FOR REGULATING
TITLE OF INVENTION: TELOMERE LENGTH AND TELOMERASE ACTIVITY
NUMBER OF SEQUENCES: 27
CORRESPONDENCE ADDRESS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       DB 1; Length 26; 0.061;
                                                                                                                                                                                                              APPLICANT: VILLEPONTEAU, BRYANT
APPLICANT: FENG, JUNLI
APPLICANT: FENG, JUNLI
APPLICANT: ANDREWS, WILLIAM H.
APPLICANT: ADANS, ROBERT R.
TITLE OF INVENTION: METHODS AND REAGENTS FOR REGULI
TITLE OF INVENTION: TELOMERE LENGTH AND TELOMERASE
NUMBER OF SEQUENCES: 27
ADDRESSEE: GERON CORPORATION
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     SOFTWARE: Patentin Release #1.0, Version #1.30 CURRENT APPLICATION DATA:
APPLICATION NUMBER: PCT/US96/14679
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Score 22; DB 1; Pred. No. 0.06 0; Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    ATTORNEY AGENT INFORMATION:
NAME: KASTER ESQ., KEVIN R.
REGISTRATION NUMBER: 32,704
REFERENCE/DOCKET NUMBER: 012/045PCT
TELECOMMUNICATION INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         HUMBER: PCT/US96/14679
13-SEP-1996
                                                                                                                                                                  ; Sequence 27, Application PC/TUS9614679; GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
                             4 GCTCTAGAATGAACGGTGGAAG 25
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  ADDRESSEE: GERON CORPORATION
STREET: 200 CONSTITUTION DRIVE
CITY: MENLO PARK
                                                                                                                                                                                                                                                                                                                                                                                                                              : 200 CONSTITUTION DRIVE MENLO PARK
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        73.3%; SCO.
100.0%; Pre
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   MOLECULE TYPE: DNA (genomic) PCT-US96-14679-27
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 TELBFAX: (415)473-7750
INFORMATION FOR SEQ ID NO:
SEQUENCE CHARACTERISTICS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Query Match
Best Local Similarity 100.(
Matches 22; Conservative
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                            STATE: CALIFORNIA COUNTRY: U.S.A. ZIP: 94025
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  linear
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             FILING DATE: 1
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           PCT-US96-14679A-27
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                                                                                                                                                                                                                                                                                                                                                                                                                                   STREET:
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STROVEL, Jeffrey W.

LUICANT: STROVEL, Jeffrey W.

LUICANT: STROVEL, Jeffrey W.

APPLICANT: STABBERG, Judith
APPLICANT: ALBUZZO, Lynne V.

APPLICANT: HIGHSMITH, Edward
TITLE OF INVENTION: TELCMERASE ASSAY OF BODY FLUIDS FOR CANCER SCREENING
TITLE OF INVENTION: AND ASSESSMENT OF DISEASE STAGE AND PROGNOSIS
TITLE OF INVENTION AND ASSESSMENT OF DISEASE STAGE AND PROGNOSIS
TITLE OF INVENTION AND ASSESSMENT OF DISEASE STAGE AND PROGNOSIS
CURRENT FILING DATE: 1999-02-16
PRIOR PILING DATE: 1999-02-16
SOFTWARE: PATENTING DATE: 1999-02-16
SEQ ID NO 4
SEQ ID NO 4
LENGTH: 25
TYPE: NOT
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               ; OTHER INFORMATION: Description of Artificial Sequence:R3c, Primer
US-09-250-336A-4
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     ö
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1 OTHER INFORMATION: Description of Unknown Organism:R3c, Primer

US-09-642-177-4
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Length 25;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         APPLICANT: STROWEL, Jeffrey W.
APPLICANT: STAMBERG, Judith
APPLICANT: STAMBERG, Judith
APPLICANT: ABRUZZO, Lynne V.
APPLICANT: HIGHSMITH, Edward
TITLE OF INVENTION: TELOMERASE ASSAY OF BODY FLUIDS
FILE REFERENCE: 10460-401 (21046).0019)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Query Match 73.3%; Score 22; DB 16; Best Local Similarity 100.0%; Pred. No. 0.061; Matches 22; Conservative 0; Mismatches 0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               CURRENT APPLICATION NUMBER: US/09/642,177
CURRENT FILING DATE: 2000-08-18
PRIOR APPLICATION NUMBER: US 60/074,793
PRIOR PILING DATE: 1998-02-16
PRIOR APPLICATION NUMBER: US 69/250,336
PRIOR APPLICATION NUMBER: US 09/250,336
PRIOR PILING DATE: 1999-02-16
PRIOR PILING DATE: 1999-02-16
PRIOR PILING DATE: 1999-02-16
PRIOR FILING DATE: 1999-02-16
PRIOR FILING DATE: 1999-02-16
PRIOR FILING DATE: 1999-02-16
PRIOR FILING DATE: 1999-02-16
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    TYPE: DNA
ORGANISM: Artificial Sequence
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Query Match
Best Local Similarity 100.0
Matches 22; Conservative
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LENGTH: 25
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APPLICANT: THE JOHNS HOPKINS UNIVERSITY SCHOOL OF MEDICINE TITLE OF INVENTION: TELOMERASE-ASSOCIATED PROTEINS FILE REFERENCE: 07265/157W01
CURRENT APPLICATION NUMBER: PCT/US99/07533
CURRENT FILING DATE: 1999-04-06
EARLIER APPLICATION NUMBER: 60/080,783
EARLIER FILING DATE: 1998-04-06
NUMBER OF SEQ ID NOS: 15
SOFTWARE: FastSEQ for Windows Version 3.0
SEQ ID NO
                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Query Match 73.3%; Score 22; DB 1; Length 26; Best Local Similarity 100.0%; Pred. No. 0.061; Matches 22; Conservative 0; Mismatches 0; Indels
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Job time : 2517.25 secs
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                                                                                                                                                                                                                                                                                                                 TYPE: DNA
ORGANISM: Artificial Sequence
                                                                                                                                                                                                                                                                                                                                                                                             OTHER INFORMATION: primer PCT-US99-07533-4
                                                                                                                                                                                                                                                                                                                                                                         FEATURE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           ò
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                APPLICANT: Strovel, Jeffrey W
APPLICANT: Strovel, Judith
APPLICANT: Stranberg, Judith
APPLICANT: Stanberg, Judith
APPLICANT: Abruzzo, Lynne V
APPLICANT: Habraith, Edward
TITLE OF INVENTION: Telomerase Assay of Body Fluids for Cancer Screening
TITLE OF INVENTION: and Assessment of Disease Stage and Prognosis
TITLE OF INVENTION: and Assessment of Disease Stage and Prognosis
TITLE OF INVENTION: 1990-02-16
CURRENT APPLICATION NUMBER: PCT/US99/03302
CURRENT FILING DATE: 1999-02-16
EARLIER PILING DATE: 1998-02-16
NUMBER OF SEQ ID NOS: 4
SOFTWARE: PatentIn Ver. 2.0
SEQ ID NO 4
LENGTH: 26
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                                                                                                                        CURRENT APPLICATION DATA:

APPLICATION NUMBER: PCT/US96/14679A
FILING DATE: 13-SEP-1996
CLASSIFICATION:
ATTORNEY/AGENT INFORMATION:
NAME: KASTER ESO., KEVIN R.
REGISTRATION NUMBER: 32,704
TELECOMMUNICATION INFORMATION:
TELECOMMUNICATION INFORMATION:
TELECOMMUNICATION INFORMATION:
TELECOMMUNICATION INFORMATION:
TELECOMMUNICATION INFORMATION:
TELEFAX: (415) 473-7759
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Query Match 73.3%; Score 22; DB Best Local Similarity 100.0%; Pred. No. 0.C Matches 22; Conservative 0; Mismatches
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                                               MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              1 GCTCTAGAATGAACGGTGGAAG 22
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           TOPOLOGY: linear
MOLECULE TYPE: DNA (genomic)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  TYPE: DNA ORGANISM: Artificial Sequence
                                                                                                                                                                                                                                                                                                                                                                                                                              TELEFAX: (415)473-7750
INFORMATION FOR SEQ ID NO: 2:
SEQUENCE CHARACTERISTICS:
LENGTH: 26 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
                      COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   PCT-US96-14679A-27
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RESULT 15 PCT-US99-07533-4 ; Sequence 4, Application PC/TUS9907533

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Length 26;

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June 23, 2003, 05:45:21 ; Search time 1316.89 Seconds (without alignments) 158.668 Million cell updates/sec
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/ cgn2_6/prodata/1/pna/USO7 NEW COMB. seq:*
/ cgn2_6/prodata/1/pna/USO7 NEW COMB. seq:*
/ cgn2_6/prodata/1/pna/USO9 NEW COMB. seq:*
/ cgn2_6/prodata/1/pna/USO9 NEW COMB. seq2:*
/ cgn2_6/prodata/1/pna/USO0 NEW COMB. seq2:*
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GenCore version 5.1.6
Copyright (c) 1993 - 2003 Compugen Ltd.
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                                                                                                           OM nucleic - nucleic search, using sw model
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1: /cgn2 6/ptodata71/pna//
2: /cgn2 6/ptodata1/pna//
3: /cgn2 6/ptodata1/pna//
4: /cgn2 6/ptodata/1/pna//
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Gapop 60.0 , Gapext 60.0
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30
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Perfect score:
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                                                                                                                                                                                                                                                                                                                                                     Sequence:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Searched:
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Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES	ID Description	US-10-330-872-5 Sequence 5, Appli	5 Sequence 5,	0 Sequence 520,		US-09-721-456-598 Sequence 598, App	US-10-325-810-598 Sequence 598, App	Sequence	PCT-US03-04088-587 Sequence 587, App	PCT-US03-04088-521 Sequence 521, App	592	Sequence	57 Sequence 257,	78 Sequence	8 Seguence 538,	9 Sequence 539,	Sequence 542,	PCT-US03-04088-543 Sequence 543, App	6 Sequence 546,	547,	
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	Query Match Length DB	30	30	23	23	56	26	56	21	23	21	19	19	19	21	21	21	21	21	21	
	Query	0.0	0.0	5.7	3.3	3.3	3.3	3.3	70.0	70.0	5.7	3.3		3.3	63.3	63.3	63.3	63.3	3.3	63.3	
· de	A g	100	100	7	7	7	7	73	7	7	99	63	Ġ	63	Ġ	Ö	Ö	Ġ	Ö	Ġ	
	Score	30	30	23	22	22	22	22	21	21	20	19	19	19	19	19	19	19	19	19	
	ult No.	-	0	m	4	Ŋ	9	7	80	Φ	10	11	12	13	14	15	16	17	18	19	
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100.0%; Score 30; DB 10; Length 30; 100.0%; Pred. No. 2.1e-07; tive 0; Mismatches 0; Indels

Query Match 100. Best Local Similarity 100. Matches 30; Conservative

TYPE: DNA ; ORGANISM: Homo sapiens US-10-330-872-5 1 GCTCTAGAATGAACGGTGGAAGGCGGCAGG 30

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RESULT 2 US-10-330-872A-5 ; Sequence 5, Application US/10330872A

Sednence Sednence Sednence Sednence Sednence Sednence Sednence Sednence Sednence Sednence Sednence Sednence Sednence Sednence	US-09-660-222-3845 Sequence 3845, Ap US-09-660-222-3846 Sequence 3846, Ap US-09-660-222-3854 Sequence 3846, Ap US-10-098-263B-118949 Sequence 118949, US-10-355-577-0173196 Sequence 173196, US-10-355-577-2731533 Sequence 579523, US-10-355-577-579523 Sequence 579523, US-60-427-886-843246 Sequence 579528, US-60-427-886-69383 Sequence 69383, A US-10-310-188-60169 Sequence 60169, A	pplication US/10330872 whithereoff the corporation Weinrich, Scott Scot
PCT-US03 PCT-US03 PCT-US03 PCT-US03 PCT-US03 US-10-31 US-10-44 US-60-4 US-60-4 US-60-4	US-09-10-10-10-10-10-10-10-10-10-10-10-10-10-	30872 ard ge ified Tr ss/10/33 240/33 510,736 833,377 120,056
1111880111960	0 1 1 1 1 1 1 0 0 0 0 0 0 0 0 0 0 0 0 0	10330 100n 11 Bdwan 12 Bdwan 13 UL; 10 Bdwan 13 US; 10 Bdwan 10 Bdwa
22 22 23 24 24 24 24 24 24 24 24 24 24 24 24 24	25 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	Application US/103308' CRMATION: CRMATION: Geron Corporation Weinrich, Scott Atkinson III, Edward Lichtsteiner, Serge Vasserot, Alain Pruzan, Ronald NVENTION: USing Purifi. NVENTION: USing Purifi. NVENTION: Inhibitors ENCE: 011/066C LING DATE: 2002-12-24 LICATION NUMBER: 08/510 MC DATE: 1995-06-04 LICATION NUMBER: 08/833 MG DATE: 1997-04-04 LICATION NUMBER: 09/717 MG DATE: 1999-10-18 LICATION NUMBER: 09/717 MG DATE: 1000-11-20 SEQ. ID NOS: 11 Patentin version 3.1
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OTHER INFORMATION: Description of Artificial Sequence: Target sequence/sinA sense; OTHER INFORMATION: region
PCT-US03-04088-529
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APPLICANT: Ribozyme Pharmaceuticals, Inc.
APPLICANT: McSwiggen, James
APPLICANT: Beigelman, Leonid
TITLE OF INVENTION: RNA Interference Mediated Inhibition of Telomerase Gene
TITLE OF INVENTION: Expression Using Short Interfering RNA (siNA)
FILE REFERENCE: 02-708-A (400/080)
                                                                                                                                                                                   Gaps
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TITLE OF INVENTION: Human Telomerase Catalytic Subunit
NUMBER OF SEQUENCES: 727
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Length 23;
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Pred. No. 0.0089;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    PRIOR APPLICATION NUMBER: US 60/396, 600
PRIOR PILING DATE: 2002-07-17
PRIOR PELICATION NUMBER: US 60/356, 600
PRIOR PILING DATE: 2002-07-17
PRIOR APPLICATION NUMBER: US 60/363, 124
PRIOR FILING DATE: 2002-03-11
PRIOR PELICATION NUMBER: US 60/366, 782
PRIOR PILING DATE: 2002-06-6
PRIOR PILING DATE: 2002-06-6
PRIOR PILING DATE: 2002-06-7
PRIOR PILING DATE: 2002-06-7
PRIOR PILING DATE: 2002-06-7
PRIOR PILING DATE: 2002-09-7
PRIOR PILING DATE: 2002-09-05
PRIOR PILING DATE: 2002-09-05
PRIOR PILING DATE: 2002-09-09
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CURRENT FILING DATE: 2003-04-28
                                                                                                                                                                                                                                                                                                                                                                                                                                                                          PCT-US03-04088-529/c
; Sequence 529, Application PC/TUS0304088
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GENERAL INFORMATION:
APPLICANT: Cech, Thomas R.
Lingner, Joachim
Nakamura, Toru
Chapman, Karen B.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            23 ATGAACGGTGGAAGGCGGCAGG 2
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100.0%; Pre
                                                                                                       76.7%;
illarity 100.0%;
Conservative 0
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, OTHER INFORMATION: region PCT-US03-04088-520
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ORGANISM: Artificial
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hes 22; Conserv
                                                                                                          Query Match
Best Local Similarity
Matches 23; Conserv
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                                                                                                                             APPLICANT: Lichtsteiner, Serge
APPLICANT: Usesecot, Alain
APPLICANT: Vassecot, Alain
APPLICANT: Prizar, Ronald
TITLE OF INVENTION: Using Purified Telomerase to Identify Telomerase Activators and
TITLE OF INVENTION: Unhibitors
FILE REPERENCE: 01/006C
FURRENT APPLICATION NUMBER: 08/510,736
FRIOR APPLICATION NUMBER: 08/833,377
FRIOR PILING DATE: 1995-08-04
FRIOR PILING DATE: 1995-10-18
FRIOR FILING DATE: 2000-11-20
FRIOR PILING DATE: 300-11-20
FRIOR FRIOR P
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APPLICANT: Ribozyme Pharmaceuticals, Inc.
APPLICANT: Ribozyme Dames
APPLICANT: Beigelman, Leonid
TITLE OF INVENTION: RNA Interference Mediated Inhibition of Telomerase Gene
TITLE OF INVENTION: Expression Using Short Interfering RNA (siNA)
FILE REFERENCE: 02-708-A (400/080)
CURRENT APPLICATION NUMBER: PCT/US03/04088
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100.0%; Score 30; DB 10; Length 30;
Best Local Similarity 100.0%; Pred. No. 2.1e-07;
Matches 30; Conservative 0; Mismatches 0; Indels
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PRIOR FILING DATE: 2002-07-17
PRIOR FILING DATE: 2002-07-17
PRIOR FILING DATE: 2002-07-07
PRIOR FILING DATE: 2002-03-01
PRIOR PRIOR DATE: 2002-03-11
PRIOR PRIOR DATE: 2002-03-11
PRIOR PRIOR DATE: 2002-06-06
PRIOR FILING DATE: 2002-06-06
PRIOR FILING DATE: 2002-06-08
PRIOR FILING DATE: 2002-08-29
PRIOR FILING DATE: 2002-08-29
PRIOR PLICATION NUMBER: US 60/406,784
PRIOR FILING DATE: 2002-08-29
PRIOR FILING DATE: 2002-08-29
PRIOR PRILICATION NUMBER: US 60/406,293
PRIOR FILING DATE: 2002-09-05
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SOFTWARE: PatentIn version 3.2
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US-10-330-872A-5
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APPLICANT: Cech, Thomas R.

CORRESPONDENCE ADDRESS

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                                                                                                                COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IEM PC compatible
COMPUTER: IEM PC compatible
COMPUTER: IEM PC compatible
COMPUTER: IEM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/721,456
FILING DATE: 22-Nov-2000
CLASSIFICATION DATA:
APPLICATION DATA:
APPLICATION NUMBER: US/08/974,549A
FILING DATE: 01-NOV-1997
APPLICATION NUMBER: US 08/724,643
FILING DATE: 01-NOV-1997
APPLICATION NUMBER: US 08/844,419
FILING DATE: 18-APR-1997
APPLICATION NUMBER: US 08/844,419
FILING DATE: 18-APR-1997
APPLICATION NUMBER: US 08/846,017
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Townsend and Crew LLP
Center, Eighth Floor
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               NAME: Apple, Randolph Ted
REGISTRATION NUMBER: 36,429
REFERENCE/DOCKET NUMBER: 015389-002610US
TELECOMMUNICATION INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             APPLICATION NUMBER: US 08/851,843
FILING DATE: 06-MAY-1997
APPLICATION NUMBER: US 08/854,050
FILING DATE: 09-MAY-1997
APPLICATION NUMBER: US 08/911,312
APPLICATION NUMBER: US 08/911,312
APPLICATION NUMBER: US 08/912,951
FILING DATE: 14-AUG-1997
APPLICATION NUMBER: WS 08/915,503
FILING DATE: 14-AUG-1997
APPLICATION NUMBER: WO PCT/US97/17618
FILING DATE: 10-OCT-1997
APPLICATION NUMBER: WO PCT/US97/17885
FILING DATE: 01-OCT-1997
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          TELEFAX: (415) 576-0200
W FOR (415) 576-0300
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                        STREET: Two Embarcadero
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          ATTORNEY/AGENT INFORMATION:
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                                                                        STATE: California
COUNTRY: USA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Query Match
Best Local Similarity 100.0
Matches 22; Conservative
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US-10-325-810-598
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Sequence 598, Application US/10325810 GENERAL INFORMATION:

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                  Morin, Gregg B.
Harley, Calvin B.
Andrews, William H.
TITLE OF INVENTION: Human Telomerase Catalytic Subunit
NUMBER OF SEQUENCES: 633
CORRESPONDENCE ADDRESS:
ADDRESSEE: Townsend and Townsend and Crew LIP
STREET: Two Embarcadero Center, Eighth Floor
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Length 26;
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                                                                                                                                                                                                                                                                                                                                                                  COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARRE: Patentin Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/10/325,810
FILING DATE: 20-Dec-2002
CLASSIFICATION: <UNKNOWN>
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          REFERENCE/DOCKET NUMBER: 015389-002620US
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GTHER INFORMATION: /note= "R3c primer"
; SEQUENCE DESCRIPTION: SEQ ID NO: 598:
US-10-325-810-598
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                APPLICATION NUMBER: WO PCT/US97/17885 FILING DATE: 01,-OCT-1997
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     APPLICATION NUMBER: US/09/402,181
FILING DATE: 29-Sep-1997
APPLICATION NUMBER: US 08/724,643
FILING DATE: 01-0CT-1996
APPLICATION NUMBER: US 08/844,419
FILING DATE: 18-APR-1997
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            APPLICATION NUMBER: US 08/846,017
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              APPLICATION NUMBER: US 08/915,503
FILING DATE: 14-AUG-1997
                                                                                                                                                                                                                                                                                      ZIP: 94111-3834
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    TELECOMMUNICATION INFORMATION
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    ATTORNEY/AGENT INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             INFORMATION FOR SEQ ID NO: 598
SEQUENCE CHARACTERISTICS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              STRANDEDNESS: single
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Chapman,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         FILING DATE: 3
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Telomerase Gene (siNA)
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APPLICANT: McSwiggen, James
APPLICANT: Beigelman, Leonia APPLICANT: Beigelman, Leonia Interference Mediated Inhibition of TITLE OF INVENTION: RNA Interference Mediated Inhibition of TITLE OF INVENTION: Expression Using Short Interfering RNA
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IMP Compatible
COMPUTER: IMP Compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/10/359,935
FILING DATE: 07-Feb-2003
CLASSIFICATION: 435
                                                                                                                                                                                                 Feng, Junli
Funk, Walter
Andrews, William H.
Andrews, William H.
NUMBER OF SEQUENCES: 42
CORRESPONDENCE ADDRESS: Townsend and Townsend and Crew LLI
STREET: Two Embarcadero Center, Eighth Floor
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            NAME: Storella, John R.
REGISTRATION NUMBER: 32,944
REFERENCE/DOCKET NUMBER: 015389-000821US
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       DB 9; I
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APPLICATION NUMBER: US/09/057,351

FILING DATE: 08-APPL1994

APPLICATION NUMBER: US 08/272,102

FILING DATE: 07-UUL-1994

APPLICATION NUMBER: US 08/330,123

FILING DATE: 27-OCT-1994

APPLICATION NUMBER: US 08/330,123

FILING DATE: 07-UUN-1995
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MOLECULE TYPE: DNA

SEQUENCE DESCRIPTION: SEQ ID NO: 23:
US-10-359-935-23
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                                                                                                                                                                         APPLICANT: Villeponteau, Bryant
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S GCTCTAGAATGAACGGTGGAAG 26
                                                                                                                    Sequence 23, Application US/10359935 GENERAL INFORMATION:
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                                                                                                                                                                                                                                                                                                                                                                                                     CITY: San Francisco
STATE: California
COUNTRY: USA
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                               ZIP: 94111-3834
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OTHER INFORMATION: Description of Artificial Sequence: Target sequence/siNA sense; OTHER INFORMATION: region
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APPLICANT: Ribozyme Pharmaceuticals, Inc.
APPLICANT: Beigelman, Leonid
APPLICANT: Beigelman, Leonid
TITLE OF INVENTION: RNA Interference Mediated Inhibition of Telomerase;
TITLE OF INVENTION: RNA Interference Mediated Inhibition of Telomerase;
TITLE OF INVENTION: RNA Interference Mediated Inhibition of Telomerase;
TITLE OF INVENTION: Expression Using Short Interfering RNA (sinA);
FILE REFERENCE: 02-708-A (400/080)
CURRENT APPLICATION NUMBER: US 60/396,600
PRIOR PILING DATE: 2002-07-17
PRIOR PILING DATE: 2002-07-17
PRIOR PILING DATE: 2002-03-11
PRIOR PILING DATE: 2002-03-11
PRIOR PILING DATE: 2002-06-06
PRIOR PILING DATE: 2002-06-06
PRIOR PILING DATE: 2002-06-06
PRIOR PILING DATE: 2002-09-05
PRIOR PILING DATE: 2003-01-15
PRIOR PILING DATE: 2003-01-15
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                                                                                                               PRIOR AFFLICATION NUMBER: US 0/390,000
PRIOR APPLICATION NUMBER: US 60/358,580
PRIOR PILING DATE: 2002-02-20
PRIOR PELING DATE: 2002-02-20
PRIOR PELING DATE: 2002-03-11
PRIOR PILING DATE: 2002-03-11
PRIOR PILING DATE: 2002-06-06
PRIOR PILING DATE: 2002-06-06
PRIOR PILING DATE: 2002-09-05
PRIOR PELING DATE: 2002-09-05
PRIOR PELING DATE: 2002-09-05
PRIOR PELING DATE: 2002-09-09
PRIOR PELING DATE: 2002-09-09
PRIOR PILING DATE: 2003-01-15
                               /US03/04088
                                                                                             PRIOR APPLICATION NUMBER: US 60/396,600
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Sequence 521, Application PC/TUS0304088 GENERAL INFORMATION:
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02-708-A (400/080)
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SOFTWARE: Patentin version 3.2
SEQ ID NO 587
LENGTH: 21
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SOFTWARE: PatentIn version 3.2
SEQ ID NO 521
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ORGANISM: Artificial
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; OTHER INFORMATION: Description of Artificial Sequence: Target sequence/siNA sense; OTHER INFORMATION: region
PCT-US03-04088-14
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OTHER INFORMATION: Description of Artificial Sequence: Target sequence/sinA sense
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APPLICANT: Ribozyme Pharmaceuticals, Inc.

APPLICANT: Rowingen, James

APPLICANT: McSwiggen, James

APPLICANT: Beigelman, Leonid

TITLE OF INVENTION: RNA Interference Mediated Inhibition of Telomerase Gene

TITLE OF INVENTION: Rxpression Using Short Interfering RNA (sinh.)

TITLE OF INVENTION: Expression Using Short Interfering RNA (sinh.)

FILE REFRENCE: 02-708-A (400/080)

CURRENT APPLICATION NUMBER: US 60/396,600

PRIOR APPLICATION NUMBER: US 60/396,580

PRIOR APPLICATION NUMBER: US 60/358,580

PRIOR FILING DATE: 2002-00-20

PRIOR FILING DATE: 2002-00-3-11

PRIOR FILING DATE: 2002-00-05

PRIOR FILING DATE: 2003-01-15

NUMBER OF SEQ ID NOS: 626

SECOTT NO. 257

SECOTT NO. 257

SECOTT NO. 257
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100.0%; Pred. No. 0.49;
tive 0; Mismatches
                                                        PRIOR FILING DATE: 2002-07-17
PRIOR PRIOR PLICATION NUMBER: US 60/359,500
PRIOR APPLICATION NUMBER: US 60/353,124
PRIOR FILING DATE: 2002-02-20
PRIOR PRIOR DATE: 2002-03-11
PRIOR PLICATION NUMBER: US 60/363,782
PRIOR FILING DATE: 2002-06-06
PRIOR FILING DATE: 2002-08-29
PRIOR FILING DATE: 2002-08-29
PRIOR FILING DATE: 2002-09-05
PRIOR FILING DATE: 2002-09-05
PRIOR PLICATION NUMBER: US 60/409,378
PRIOR FILING DATE: 2002-09-09
PRIOR PLICATION NUMBER: US 60/409,293
PRIOR PLICATION NUMBER: US 60/409,293
PRIOR PLICATION NUMBER: US 60/409,293
PRIOR PLICATION NUMBER: US 60/40,129
PRIOR PRIOR DATE: 2002-09-09
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Sequence 257, Application PC/TUS0304088
GENERAL INFORMATION:
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SOFTWARE: PatentIn version 3.2
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Best Local Similarity
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ORGANISM: Artificial
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ORGANISM: Artificial
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LENGTH: 19
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; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: Target sequence/siNA sense
; OTHER INFORMATION: region
PCT-US03-04088-521
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APPLICANT: Beigelman, Leonid
TITLE OF INVENTION: RNA Interference Mediated Inhibition of Telomerase Gene
TITLE OF INVENTION: Expression Using Short Interfering RNA (siNA)
FILE REFERENCE: 02-708-A (400/080)
                                                                                                                                                                                                                                          Gaps
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APPLICANT: Beigelman, Leonid
TITLE OF INVENTION: RNA Interference Mediated Inhibition of Telomerase;
TITLE OF INVENTION: RNA Interference Mediated Inhibition of Telomerase;
TITLE OF INVENTION: Expression Using Short Interfering RNA (sinA);
FILE REFERENCE: 02-708-A (400/080)
CURRENT APPLICATION NUMBER: 207/0803/04088
CURRENT FILING DATE: 2002-04-28
PRIOR APPLICATION NUMBER: US 60/396,600
PRIOR PILING DATE: 2002-02-0
PRIOR APPLICATION NUMBER: US 60/386,580
PRIOR FILING DATE: 2002-03-11
PRIOR PILING DATE: 2002-06-06
PRIOR PILING DATE: 2002-06-05
PRIOR PILING DATE: 2002-06-05
PRIOR PILING DATE: 2002-06-05
PRIOR PILING DATE: 2002-09-05
PRIOR PILING DATE: 2002-09-05
PRIOR PILING DATE: 2002-09-09
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66.7%; Score 20; DB 1; Length 21;
Best Local Similarity 95.0%; Pred. No. 0.13;
Matches 19; Conservative 1; Mismatches 0; Indels
                                                                                                                                                                 Query Match 70.0%; Score 21; DB 1; Length 23; Best Local Similarity 100.0%; Pred. No. 0.034; Matches 21; Conservative 0; Mismatches 0; Indels
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     APPLICANT: Ribozyme Pharmaceuticals, Inc.
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GENERAL INFORMATION:
APPLICANT: Ribozyme Pharmaceuticals, Inc.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Sequence 592, Application PC/TUS0304088 GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                      1 GCTCTAGAATGAACGGTGGAA 21
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NUMBER OF SEQ ID NOS: 626
SOFTWARE: PatentIn version 3.2
SEQ ID NO 592
LENGTH: 21
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ORGANISM: Artificial
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TYPE: RNA
ORGANISM: Artificial
FEATURE:
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APPLICANT: Riboryme Pharmaceuticals, Inc.
APPLICANT: Riboryme Pharmaceuticals, Inc.
APPLICANT: Beigalman, Leonid
APPLICANT: Beigalman, Leonid
TITLE OF INVENTION: Expression Using Short Interfering RNA (siNA)
FILE REFERENCE: 02-708-A (400/080)
CURRENT APPLICATION NUMBER: PCT/US03/04088
PRIOR APPLICATION NUMBER: US 60/396,600
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APPLICANT: Ribozyme Dames
APPLICANT: McSwiggen, James
APPLICANT: Beigelman, Leonid
TITLE OF INVENTION: RNA Interference Mediated Inhibition of Telomerase Gene
TITLE OF INVENTION: Expression Using Short Interfering RNA (siNA)
FILE REFERENCE: 02-708-A (400/080)
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                                                                                             Length 19;
                                                                                                                                                    0; Indels
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CURRENT FILING DATE: 2003-04-28
PRIOR PEDICATION NUMBER: PCT/US03/04088
CURRENT FILING DATE: 2003-04-28
PRIOR FILING DATE: 2002-07-17
PRIOR PILING DATE: 2002-03-00
PRIOR APPLICATION NUMBER: US 60/363,124
PRIOR PILING DATE: 2002-03-11
PRIOR APPLICATION NUMBER: US 60/363,124
PRIOR PILING DATE: 2002-03-11
PRIOR PILING DATE: 2002-06-06
PRIOR PILING DATE: 2002-06-06
PRIOR PILING DATE: 2002-06-06
PRIOR APPLICATION NUMBER: US 60/406,784
PRIOR PILING DATE: 2002-09-05
PRIOR PILING DATE: 2002-09-05
PRIOR PILING DATE: 2002-09-05
PRIOR PILING DATE: 2002-09-05
PRIOR PILING DATE: 2002-09-09
PRIOR PILING DATE: 2003-09-09
PRIOR PILING DATE: 2003-09-09
PRIOR PILING DATE: 2003-01-15
                                                                                       Query Match 63.3%; Score 19; DB Best Local Similarity 100.0%; Pred. No. 0.4 Matches 19; Conservative 0; Mismatches
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SOFTWARE: Patentin version 3.2
SEQ ID NO 278
; OTHER INFORMATION: region PCT-US03-04088-257
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ORGANISM: Artificial
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PRIOR PAPLICATION NUMBER: US 60/358,580

PRIOR APPLICATION NUMBER: US 60/35,124

PRIOR PALING DATE: 2002-03-11

PRIOR PALING DATE: 2002-03-11

PRIOR PALING DATE: 2002-03-11

PRIOR PALING DATE: 2002-03-11

PRIOR PALING DATE: 2002-03-13

PRIOR PALING DATE: 2002-03-13

PRIOR PALING DATE: 2002-03-03

PRIOR PALING DATE: 2002-03-03

PRIOR PALING DATE: 2002-03-03

PRIOR PALING DATE: 2003-03-03

PRIOR PALING DATE: 2003-01-15

PRIOR PALING
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Emanuaria; Eutheria; Primatea; Vertebrata; Euteleostomi; Eukaryota; Metazoa; Chordata; Catarrhini; Hominidae; Homo.

1. (Dases 1 to 37)

2. NCI-GAP http://www.ncbi.nlm.nih.gov/ncicgap.

3. NCI-GAP http://www.ncbi.nlm.nih.gov/ncicgap.

3. NCI-GAP http://www.ncbi.nlm.nih.gov/ncicgap.

4. Unpublished (1997)

5. Contact: Robert Strausberg, Ph.D.

5. Email: cgapbs-r@mail.nih.gov

7. Tissue Procurement: Christopher Moskaluk, M.D., Ph.D., Michael R.

5. Email: cgapbs-r@mail.nih.gov

7. Email: cgapbs-r@mail.nih.gov

7. Email: cgapbs-rgmarion: Life Technologies, Inc.

5. CDNA Library Preparation: Life Technologies, Inc.

5. CDNA Library Arrayed by: Greg Lennon, Ph.D.

5. DNA Sequencing by: Washington University Genome Sequencing Center

Clone distribution: NCI-CGAP clone distribution information can be found through the I.M. A.G.E. Consortium/LiNL at:

5. www-bio.llnl.gov/bbrp/image/image.html
           AU104493 AU104493
AZ471573 IM0286G13
AL462526 T. brucei
AL487013 T. brucei
AA912698 0130e02.8
AL459090 T. brucei
AV964763 AV964763
                                                                                                 T74961 yc85b03.rl
BH011442 SALK O586
AA681423 vr41f08.s
BI822830 603040148
A2871265 200244N12
BH791685 SALK 0608
AU103954 AU103954
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               37 bp mRNA linear BST 06-JAN-1999 NCI CGAP Ut2 Homo sapiens cDNA clone IMAGE:1989418 3' SW:ULCG_HCMVA P16836 HYPOTHETICAL PROTEIN UL126. ;, mRNA
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AU259636 AU259636
AZ662500 1M0541G07
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AU104289 AU104288
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TA16E03P
TA264G100
AA912698
TA106A06P
TA964763
T74961
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BI822830
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BH791685
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AU259636
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AUI 04288
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AUI 07670
AUI 07673
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AI358100.1 GI:4109721
   qv96c06.x1
similar to
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AI358100/c
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TITLE
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COMMENT
  A1358100 qv96c06.x
AA388365 vc94b10.r
AU256784 AU256784
BF234348 602026283
BHS1177 SALK 0734
AZ606694 1M0428D15
                                                                                    June 23, 2003, 04:47:09 ; Search time 1546.73 Seconds (without alignments): 314.123 Million cell updates/sec
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              GenCore version 5.1.6
Copyright (c) 1993 - 2003 Compugen Ltd.
                                                                                                                                                              1 GCTCTAGAATGAACGGTGGAAGGCGGCAGG 30
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                                                              nucleic search, using sw model
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Gapop_60.0 , Gapext 60.0
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Database :

Result No.

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Gaps

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Length 37;

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BF234348 11 NCI_CGAP_Li9 Mus musculus cDNA clone IMAGE:4161429 5',
          38 bp mRNA linear EST 25-APR-2002
AU256784 3'-directed mouse cDNA library Mus musculus cDNA clone
BED0008969 3', mRNA sequence.
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Rato, K. and Matoba, R. Generation of expressed sequence tags from mouse brain Unpublished (2002)
/note="Vector: pT7T3D-Pac (Pharmacia) with a modified
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             /clone lib="3'-directed mouse cDNA library"
/tissue_type="brain"
/note="Vector: pGEM-T-easy"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Email: kkato@bs.aist-nara.ac.jp,
URL:http://love2.aist-nara.ac.jp/BED/index.html
Location/Qualifiers
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Contact: Kikuya Kato
Graduate School of Biological Sciences
Nara Institute of Science and Technology '
8916-5 Takayama, Ikoma, Nara 630-0101, Japan
Fax: 81-743-72-5589
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 36.7%; Score 11; DB 9; Le
100.0%; Pred. No. 3.9e+04;
tive 0; Mismatches 0;
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    .38
    /organism="Mus musculus"

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/clone="BED0008969"
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Matches 11; Conservative
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Marra,M., Hillier,L., Allen,M., Bowles,M., Dietrich,N., Dubuque,T., Geisel,S., Kucaba,T., Lacy,M., Le,M., Martin,J., Morris,M., Schellenberg,K., Steptoe,M., Tan,F., Underwood,K., Moore,B., Theising,B., Wylie,T., Lennon,G., Soares,B., Wilson,R. and
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                                                                                                   /organism="Homo sapiens"
/db_xref="taxon:9606"
/clone="IMAGE:1989418"
/clone="IMAGE:1989418"
/clone="IMAGE:1989418"
/clone="IMAGE:1989418"
/clone="IMAGE:1989418"
/clone="IMAGE:1989418"
/tissue type="moderately-differentiated endometrial
adenocarcinoma, 3 pooled tumors"
/lab host="DH108"
/note="Organ: uterus; Vector: pCMV-SPORT6; Site_1: Sall;
Site_2: Not1; Cloned unidirectionally. Primer: Oligo dT.
Average insert size 1.85 kb. Life Technologies catalog #:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Email: mouseest@watson.wustl.edu
This clone is available royalty-free through LLNL; contact the
IMAGE Consortium (info@image.llnl.gov) for further information.
                                                                                                                                                                                                                                                                                                                                                                                                                               Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            4444 Forest Park Parkway, Box 8501, St. Louis, MO 63108
Tel: 314 286 1800
Fax: 314 286 1810
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Possible reversed clone: similarity on wrong strand
Seq primer: -28ml3 rev2 ET from Amersham
High quality sequence stop: 1.
Location/Qualifiers
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WashU-HHMI Mouse EST Project
Washington University School of MedicineP
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Pred. No. 1.1e+04;
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/clone="IMAGE;790651"
/clone_lib="Barstead MPLRB1"
/sex="mixed"
          Trace considered overall poor quality Seg primer: -40UP from Gibco High quality sequence stop: 1. Location/Qualiffers
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                                                                                                                                                                                                                                                                                                                                                                                          10.0%; Score 12; DB ilarity 100.0%; Pred. No. 1.1. Conservative 0; Mismatches
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/organism="Mus musculus"
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The WashU-HHMI Mouse EST Project
Unpublished (1996)
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/dev_stage="6_weeks"
/lab_host="DH10B"
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Gaps

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Length 38; 0; Indels

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GSS 13-DEC-2000 .
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                                                                                                                    /db xref="taxon:3702"
/clone="SALK 073411.49.55.x"
/clone="Ib="Arabidopsis thaliana TDNA insertion lines"
/note="PCR was performed on Arabidopsis thaliana lines each of which contains one or more TDNA insertion elements. The resultant fragment for each line was directly sequenced to determine the genomic sequence at the afte of insertion. Details of the protocols used can be found at http://signal.salk.edu/tdna_protocols.html"
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/clone="tudcinds428D15"
/clone="tudcinds428D15"
/clone="tudcinds428D15"
/sex="Male"
/lab_host="B. Col; strain XL10-Gold, T1-resistant, F-"
/note="Vector: PWD42In; Purified genomic DNA from M.
musculus C57BL/60 (male) was obtained from the Jackson
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Unpublished (2000)
Contact: Robert B. Weiss
Contversity of Utah Genome Center
University of Utah
Rm. 308, Biomedical Polymers Research Bldg., 20 S. 2030 E., SLC, 84112, USA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Mouse whole genome scaffolding with paired end reads from 10kb
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Fax: 801 585 7177
Email: ddunn@genetics.utah.edu
Email: ddunn@genetics.utah.edu
Insert Length: 10000 Std Error: 0.00
Plate: 0428 row: D column: 15
Seq primer: CACACAGABAACAGCTATGACC
Class: plasmid ends
High quality sequence stop: 48.
Location/Qualifiers
                                                                  organism="Arabidopsis thaliana"
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    .48
    /organism="Mus musculus"
/strain="C57BL/6J"

                                                                                                  /strain="Columbia 0"
Location/Qualifiers
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Bukaryota, Viridiplantae, Streptophyta, Embryophyta, Tracheophyta;
Spermatophyta; Magnoliophyta; eudicotyledons; core eudicots;
Spermatophyta; Magnoliophyta; eudicotyledons; core eudicots;
Sosidae, eurosida II, Brassicales; Brassicaceae; Arabidopsis.

[ bases 1 to 41)
Alonso,J.M., Leisse,T.J., Barajas,P., Chen,H., Cheuk,R., Gadrinab,C., Jeske,A., Karnes,M., Kim,C.J., Parker,H., Prednis,L., Shinn,P.,
A Sequence-Indexed Library of Insertion Mutations in the
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   ö
                                                                                                                                                                                                                   Contract: Robert Strausberg, Ph.D.
Email: cgapbs-r@mail.nih.gov
Tisaue Procurement: Jeffrey E. Green, M.D.
Tisaue Procurement: Jeffrey E. Green, M.D.
CDNA Library Preparation: Life Technologies, Inc.
CDNA Library Arrayed by: The I.M.A.G.E. Consortium (LLNL)
DNA Sequencing by: Incyte Genomics, Inc.
Clone distribution: MGC clone distribution information can be found through the I.M.A.G.E. Consortium/LLNL at:
http://image.llnl.gov
Plate: LLAM9442 row: f column: 22
High quality sequence stop: 40.
Location/Qualifiers
                               Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
mamalia; Eutheria; Rodentia; Sciurognathi; Muridae; Murinae; Mus
1 (bases 1 to 40)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          /closs lib="NCI_CGAP_Li9"
/lab_host="DH10B_(TI_phage-resistant)"
/note="Organ: liver; Vector: pCMV-SPORT6; Site_1: NotI;
Site_2: Sall; Cloned unidirectionally. Primer: Oligo dr.
Average insert size 1.9 kb. Constructed by Life
Technologies. Note: this is a NCI_CGAP_Library."
                                                                                                                       NIH-MGC http://mgc.nci.nih.gov/.
National Institutes of Health, Mammalian Gene Collection (MGC)
Unpublished (1999)
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Salk Institute Genomic Analysis Laboratory (SIGNAL)
The Salk Institute for Biological Studies
10010 N. Torrey Pines Road, La Jolla, CA 92037, USA
TH: 858 453 4100 x1752
Fax: 858 558 6379
Email: ecker@salk.edu
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4e+04;
thes 0; Indels
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/clone="IMAGE:4161429"
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100.0%;
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Best Local Similarity 100.
Matches 11, Conservative
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was blunt end-repaired with T4 DNA polymerase and T4 polymucleotide kinase. Adaptor oligonucleotides were ligated to the blunt ends in high molar excess. The adaptored DNA was purified and size-selected for a 9.5 to 10.5 kb range using preparative agarose gel electrophoresis. Vector DNA was prepared from a derivative of pWMQ2 (gi|4722114|gb|AF129072.1), a copy-number inducible derivative of plasmid R1. The vector was ligated with adaptors complementary to the insert adaptors and purified. The sheared, adaptored mouse DNA was annealed to adaptored vector DNA, and transformed into chemically-competent E. coli XL10-Gold (Stratagene) cells and aslected for ampicillin resistance."
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Department of Virology

1. Shirokanal Science, University of Tokyo

4.6-1, Shirokanedai, Minatoku, Tokyo 108-8639, Japan

4.6-1, Shirokanedai, Minatoku, Tokyo 108-8639, Japan

Email: youzuki@ims.u-tokyo.ac.jp

Suzuki,Y., Yoshitomo-Nakagawa,K., Maruyama,K., Suyama,A. and Sugano

'S. Construction and characterization of a full length-enriched and

a 5'-end-enriched cDNA library. Gene 200 (1-2), 149-156 (1997).

Location/Qualifiers
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/organism="Homo sapiens"
/db_xref="teaxon:9606"
/db_xref="teaxon:9606"
/clone="HEP22239"
/clone="lib="Sugano Homo sapiens cDNA library"
/note="bifferential display comparison of untreated and inchaptiumarate treated U937 cells"
26 c 13 g 8 t
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Bukaryota; Metazoa; Chordata; Craniata; Vertebrata; Buteleostomi;
Mammalia; Butheria; Primates; Catarrhini; Hominidae; Homo.
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EMBO Rep. 2 (5), 388-393 (2001)
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Contact: Yutaka Suzuki
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Matches 11; Conserv
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Matches 11; Conserv
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Mus musculus

Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;

Bukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;

Mammalia; Eutheria; Rodentia; Sciurognathi; Muridae; Murinae; Mus.

1 (Dases 1 to 19)

1 (Dases 1 to 19)

1 (Dases 1 to 19)

1 (Dases 1, Rogacre, S., Mahmoud, M., Meenen, B., Pedersen, T., Reilly, M., Rose, M., Rose, R., Stokes, R., Menen, B., Pedersen, T., Reilly, M., Rose, M., Rose, R., Stokes, R., Tingey, A., von Niederhausern, A. and Wright, D., Waiss, R.

Mouse whole genome scaffolding with paired end reads from 10kb plasmid inserts

Unpublished (2000)

Contact: Robert B. Weiss

University of Utah

Rm. 308, Biomedical Polymers Research Bldg., 20 S. 2030 E., SLC, UT 84112, USA
                                                                                                                                                                                                                                                                                                                                                                                                                              Suzuki,Y., Taira,H., Tsunoda,T., Mizushima-Sugano,J., Sese,J., Hata,H., Ota,T., Isogai,T., Tanaka,T., Morishita,S., Okubo,K., Sakaki,Y., Nakamura,Y., Suyama,A. and Sugano,S.
Diverse transcriptional initiation revealed by fine, large-scale mapping of mRNA start sites
EMBO Rep. 2 (5), 388-393 (2001)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Contact: Yutaka Suzuki
Department of Virology
Institute of Medical Science, University of Tokyo
Institute of Medical Science, University of Tokyo
Baritute of Medical Science, University of Tokyo
Baritute of Medical Science, University of Tokyo
Baritute of Medical Science, Tokyo 108-8639, Japan
Baritute of Medical Science, Tokyo 20, Japan
Suzuki, Y., Yoshitomo-Nakagawa, K., Maruyama, K., Suyama, A. and Sugano
S. Construction and characterization of a full length-enriched and a 5'-end-enriched cDNA library. Gene 200 (1-2), 149-156 (1997).
Location/Qualifiers
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AU104493 Sugano Homo sapiens cDNA library Homo sapiens cDNA clone ADKA03063, mRNA sequence.
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Mammalia; Butheria; Primates; Catarrhini; Hominidae; Homo.
1 (bases 1 to 50)
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//nclo="Differential display comparison of untreated and
dimethylfumarate treated U937 cells"
26 c 13 g 7 t
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100.0%; Pred. No. 4.1e+04;
iive 0; Mismatches 0;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              /organism="Homo sapiens"
/db_xref="taxon:9606"
/clone="ApKA03063"
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AZ471573.1 GI:10629698
                                                                                                                                                                                                AU104493.1 GI:13554014
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Best Local Similarity 100.
Matches 11; Conservative
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GSS 13-DEC-2000
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Rockville, MD. Genomic DNA isolated from a cloned population of
Trypanosoma brucei (TREU927/4 GUTAt 10.1) was mechanically sheared
to give a tight size distribution (
4 kb). The v + i method used for the library construction is
described in detail in Smith, H. and Venter, J.C. (Making small
insert libraries for whole genome shotgun sequencing projects. In
Barrell, Oxford University Press, 1999).
Email: nelsayed@tigr.org
                                                                                                                             Email: nelsayed@tigr.org
Details of T. brucei sequencing at the Sanger Centre are available
at http://www.sanger.ac.uk/Projects/T_brucei/.
Location/Qualifiers
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Location/Qualifiers
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     4 kb). The v + i method used for the library construction is described in detail in Smith, H. and Venter, J.C. (Making small insert libraries for whole genome shotgun sequencing projects. Genome Sequencing. A Practical Approach, eds. M. Vaudin and B. Barrell, Oxford University Press, 1999).
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Eukaryota; Euglenozoa; Kinetoplastida; Trypanosomatidae;
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                                                                                                                                                                                                                                                           organism="Trypanosoma brucei"
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/clone="264910"
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/clone="116e03"
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Best Local Similarity
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                                                                                                                                                                                                                                                                                                                                                                                                                        //note="Vector: PWAJIV; Purified genomic DNA from M. musculus C57BL/6J (male) was obtained from the Jackson Laboratory Mouse DNA Resource
(http://www.jax.org/resources/documents/dnares/). The DNA was hydrodynamically sheared by repeated passage through a 0.005 inch orifice at constant velocity. The sheared DNA was blut end-repaired with T4 DNA polymerase and T4 polynucleotide kinase. Adaptor oligonucleotides were ligated to the blunt ends in high molar excess. The adaptored DNA was purified and size-selected for a 9.5 to 10.5 kb range using preparative agarose gel electrophoresis. Vector DNA was prepared from a derivative of pWD42 (gi|4732114|gb|AP129072.1), a copy-number inducible derivative of plasmid R1. The vector was ligated with adaptors complementary to the insert adaptors and purified. The sheared, adaptored mouse DNA was annealed to adaptored vector DNA, and transformed into chemically-competent E. coli XL10-Gold (Stratagene) cells and selected for ampicillin resistance."
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T. brucei sheared genomic DNA clone 116e03, forward sequence,
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Submitted (10-DEC-2000) Trypanosoma brucei genome sequencing project, Sanger Centre, The Wellcome Trust Genome Campus, Hinxton, Cambridge CB10 1SA, E-mail: barrell@sanger.ac.uk and
                                                                                                                                                                                                                                                                                                                                                                                                        lab_host="E. Coli strain XL10-Gold, T1-resistant, F-"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Gaps
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                                                                                                                                                                                                                                                                                                                                                         /clone_lib="Mouse 10kb plasmid UUGC1M library"
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Tel: 801 585 5606
Fax: 801 585 7177
Email: ddunn@genetics.utah.edu
Insert Length: 10000 Std Error: 0.00
Plate: 0286 row: G column: 13
                                                                                 Plate: 0286 rows Std Error:
Seq primer: CGTTGTAAAACGACGGCCAGT
                                                                                                                                                                                                                                                        organism="Mus musculus"
                                                                                                                                                                                                                                                                           High quality sequence stop: 19.
Location/Qualifiers
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(bases 1 to 28)
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Matches 10; Conservative
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AUTHORS

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ACCESSION

VERSION KEYWORDS SOURCE

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Dilect Submitted (10-DEC-2000) Trypanosoma brucel genome sequencing project, Sanger Centre. The Wellcome Trust Genome Campus, Hinxton, Cambridge CB10 18A, E-mail: barrell@sanger.ac.uk and nhl@sanger.ac.uk and nhl@sanger.ac.uk Constructed at the Institute for Genomic Research (TIGR), Rockville, MD. Genomic DNA isolated from a cloned population of Trypanosoma brucei (TREU927/4 GUTat 10.1) was mechanically sheared to give a tight size distribution (
4 kb). The v + i method used for the library construction is described in detail in Smith, H. and Venter, J.C. (Making small insert libraries for whole genome shotgun sequencing projects. In Garnem Sequencing: A Practical Approach, eds. M. Vaudin and B. Barrell, Oxford University Press, 1999).

Email: nelsayed@tigr.org
Details of T. brucei sequencing at the Sanger Centre are available at http://www.sanger.ac.uk/Projects/T_brucei/.
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1 (bases 1 to 34)
Satoh, N., Satou, Y., Kohara, Y. and Shin-i, T.
Expressed genes in Ciona intestinalis
Unpublished (2000)
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/clone_lib="Nori Satch unpublished cDNA library, young
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             AV964763 Nori Satoh unpublished cDNA library, young adult Ciona intestinalis cDNA clone ciadiso06 5', mRNA sequence.
Hall, N., Bowman, S., Lennard, N.J., Doggett, J., Atkin, R., Chillingworth, C., Ormond, D., Harris, B., El-Sayed, N., Hou, L., Melville, S.E., Rajandream, M.A. and Barrell, B.G.
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/db_xref="taxon:7719"
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/note="Vector: pBluescript SK"
5 c 8 g t
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/strain="TREU927"
/db_xref="taxon:5691"
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Department of Zoology
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          AUTHORS
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                                                                                                                                                                      EST 10-JUN-1998
                                                                                                                                        31 bp mRNA linear EST 10-JUN-195 ol30e02.s1 Soares NFL T GBC_S1 Homo sapiens cDNA clone IMAGE:1524986 3' SimiTar to TR:014564 O14564 HYPOTHETICAL 67.1 KD AA91260s
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NCI-CGAP http://www.ncbi.nlm.nih.gov/ncicgap.
National Cancer Institute, Cancer Genome Anatomy Project (CGAP),
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Contact: Robert Strausberg, Ph.D.

Contact: Robert Strausberg, Ph.D.

Email: cgapbs-r@mail.nih.gov

This clone is available royalty-free through LLNL; contact the

IMAGE Consortium (info@image.llnl.gov) for further information.

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Seq primer: -40ml3 fwd. ET from Amersham

High quality sequence stop: 1.

Location/Qualifiers
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/organism="Homo sapiens"
/db xref="taxon:9606"
/db xref="taxon:9606"
/clone="IMAGE:1524986"
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/lab_host="DH10B"
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Query Match

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ACCESSION VERSION KEYWORDS SOURCE,

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IMAGE:22801 5' similar to SP:A27671 A27671 SPECTRIN ALPHA CHAIN,
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Query Match 33.3%; Score 10; DB 10; Length 34 Best Local Similarity 100.0%; Pred. No. 1.4e+05; Matches 10; Conservative 0; Mismatches 0; Indels
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; Sequence 8, Application US/08770565; Patent No. 5846723; GENERAL INFORMATION:
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(c) 1993 - 2003 Compugen Ltd
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US-08-710-249-26
US-08-485-778-19
US-08-472-802C-24
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                                                                                                                                                                        441362 segs, 153338381 residues
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                                                                                                                                                                                                                                           Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries
                                            nucleic search, using sw model
                                                                                                                                                     Gapop 10.0 , Gapext 1.0
                                                                                                                                                                                                                                                                                    Issued Patents NA:*
                                                                                                   US-08-770-564A-8
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                                                                                                                                                                                                                                                                                                                                                                                                                         Query
Match Length
                                                                                                                                            IDENTITY NUC
                 Copyright
                                                                                                                                                                                                               seq length: 0
seq length: 50
                                                                                                      Title:
Perfect score:
                                                                                                                                          Scoring table:
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08
                                             nucleic
                                                                                                                          Sequence:
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Maximum |
                                                                Run on:
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No.
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Sequence Sequence Sequence
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US-08-759-873-8
US-08-411-7958-255
US-08-764-114-255
US-08-469-319A-255
US-08-469-319A-234
US-08-469-319A-234
US-08-469-319A-409
US-08-411-7958-409
US-08-764-114-409
US-08-764-114-409
US-08-764-114-409
US-08-769-319A-409
US-08-769-789-795
US-08-729-955A-9
US-08-729-955A-9
US-08-729-955A-9
US-09-538-709-931
US-09-538-09-338-08
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ALIGNMENTS

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Gaps
APPLICANT: Kim, Nam Woo
APPLICANT: Wu, Fred
APPLICANT: Wu, Fred
APPLICANT: Kealey, James T.
APPLICANT: Kealey, James T.
APPLICANT: Weinrich, Scott L.
TITLE OF INVENTION: Methods for Detecting the RNA Component of
TITLE OF INVENTION: Telomerase
CORRESPONDENCE: 26
CORRESPONDENCE ADDRESS:
ADDRESSEE: TOWNSEND and TOWNSEND and CREW LLP
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             ö
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                                                                                                                                                                                                                                                                                                                                                                       COUNTRY: Usa

ZIP: 94111-3834

COMPUTER READBLE FORM:

MEDIUM TYPE: Floppy disk

COMPUTER: IBM PC compatible

OPERATING SYSTEM: PC-DOS/MS-DOS

SOFTWARE: Patentin Release #1.0, Version #1.30

CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/08/770,565

FILING DATE: 20-DEC-1996

CLASSIFICATION: 435

ATTORNEY/AGENT INFORMATION:

NAME: Storella, John R.

REGISTRATION NUMBER: 32,944

REGISTRATION NUMBER: 32,944

REGISTRATION NUMBER: 32,944

FELECOMMUNICATION INFORMATION:

TELEPHONE: 415-576-0200

TELEPAX: 415-576-0200

TELEPAX: 415-576-0200

SEQUENCE CHARACTERISTICS:

LENGTH: 30 base pairs
                                                                                                                                                                                                                                                      SEE: TOWNSEND and TOWNSEND and CREW LLP: Two Embarcadero Center, 8th Floor San Francisco California
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           STRANDEDNESS: single
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1 GCTCTAGAATGAACGGTGGAAGGCGGCAGG 30

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Query Match
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       OPERATING SYSTEM: RC-UOS/MS-LOOS
SOFTWARE: Patentin Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/833,377
FILING DATE: 04-APP-1997
CLASSIFICATION: 435
PRIOR APPLICATION ATA:
APPLICATION NUMBER: US/08/510,736
FILING DATE: 04-AUG-1995
ATTORNEY/AGENT INFORMATION:
NAME: Storella, John R.
REGISTRATION NUMBER: 32,944
REFERENCE/DOCKET UNMBER: 015389-001110US
TELEPRANTION INFORMATION:
TELEPRANTION E (415) 576-0200
TELEPRANT (415) 576-0200
INFORMATION FOR EQ ID NO: 6:
SEQUENCE CHARACTERISTICS:
LEMOTH: 30 base pairs
TYPE: nucleic acid
STRANDENES: single
TYPE: Incleic acid
STRANDENES: Innear
                                                                                                                                                                                                                                                                                                                                                 SAPELICANT: Attinson III, Edward M.
APPLICANT: Attinson III, Edward M.
APPLICANT: Attinson III, Edward M.
APPLICANT: Lichteteiner, Serge P.
APPLICANT: Lichteteiner, Serge P.
APPLICANT: Lord Serger, Alain P.
APPLICANT: Fruzan, Ronald A.
APPLICANT: Kealey, James T.
TILLS OF INVENTION: Purified Telomerase
NUMBER OF SEQUENCES: 15
CORRESPONDENCE ADDRESS:
ADDRESSE: Townsend and Townsend and Crew LLP
STREST: Two Embarcadero Center, Bighth Floor
CITY: San Francisco
STATE: California
COUNTYR: USA
ZIP: 94111-3834
COMPUTER: Floppy disk
COMPUTER: IBM PC Compatible
OPERATING SYSTEM:
COMPUTER: IBM PC Compatible
OPERATING SYSTEM:
COMPUTER: DATACHER POLICE ALLOS MAS-DOS
CORPUTER: DATACHER POLICE ALLOS MAS-DOS
CORPUTER POLICE ALLOS MAS-DOS
COR
1 GCTCTAGAATGAACGGTGGAAGGCGGCAGG 30
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                                                                                                                                                                                                                                            Sequence 6, Application US/08833377
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OTHER INFORMATION:
OTHER INFORMATION:
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US-08-770-565-26
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Gaps
APPLICANT: Wu, Fred
APPLICANT: Kealey, James T.
APPLICANT: Kealey, James T.
APPLICANT: Pruzan, Ronald
APPLICANT: Pruzan, Ronald
APPLICANT: Weinrich, Scott L.
TITLE OF INVENTION: Telomerase
NUMBER OF SEQUENCES: 26
CORRESPONDENCE ADDRESS: ADDRESS: ADDRESSE: TOWNSEND and TOWNSEND and CREW LLP
STREET: Two Embarcadero Center, 8th Floor
CITY: San Francisco
CITY: San Francisco
STATE: TATA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    ö
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US-08-330-123A-23

Sequence 23, Application US/08330123A

Sequence 23, Application US/08330123A

Patent No. 5583016

APPLICANT: FENG, Junli

APPLICANT: FUNG, Walter

APPLICANT: FUNG, Walter

TITLE OF INVENTION: HUMAN TELOMERASE

NUMBER OF SEQUENCES: 25

CORRESPONDENCES: 25

CORRESPONDENCES: ADDRESS:
ADDRESSEB: Townsend and Townsend Khourie and Crew
STATE: California

COUNTY: Palo Alto
STATE: California

CONDUTED INTERNATION: Normue

CITY: Palo Alto
STATE: California

CONDUTED INTERNATION: Normue
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            CCUNTRY: USA

ZIP: 94111-3834

COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC COMPATIBLE
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/770,565
FILING DATE: 20-DEC-1996
CLASSIFICATION: 435
ATTORNEY/AGENT INFORMATION:
NAME: SCOTELLA, JOHN R:
REFERENCE/DOCKET NUMBER: 32,944
REFERENCE/DOCKET NUMBER: 015389-002300US
TELEPRATION NUMBER: 015389-00230US
TELEPRATION FOR SEQ ID NO: 26:
SEQUENCE CHARACTERISTICS:
FAMILY OF SEQ ID NO: 26:
FAMILY OF SEQUENCE CHARACTERISTICS:
FAMILY OF SEQUENCE OF SEQ ID NO: 26:
FAMILY OF SEQUENCE OF SEQ ID NO: 26:
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FAMILY OF SEQ ID NO: 26:
FAMILY OF SEQUENCE OF
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Pred. No. 0.065;
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MEDIUM TYPE: Floppy disk
COMPUTER: IEM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Query Match 76.7%; Sc.
Best Local Similarity 100.0%; P.
Matches 23; Conservative 0;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     STRANDEDNESS:
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Gaps
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MEDIUM TYPE Floppy disk

COMPUTER READABLE FORM:

MEDIUM TYPE Floppy disk

COMPUTER: IBM PC compatible

COMPUTER: BACFOLIN GISK

CONFURER: PACFOLIN Release #1.0, Version #1.30

SOFTWARE: Pacforin Release #1.0, Version #1.30

CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/08/660,678A

FILING DATE: 05-JUN-1996

FLING DATE: 27-OCT-1994

PRIOR APPLICATION NUMBER: US 08/330,123

PRIOR APPLICATION NUMBER: US 08/22,102

FILING DATE: 27-OCT-1994

ATTORNEY/AGENT INFORMATION:

NAME: SLOTELLA, 32,944

REFERENCE/DOCKET NUMBER: 015389-000811US

TELECOMMUNICATION INFORMATION:

NEGISTRATION NUMBER: 015389-000811US

TELECOMMUNICATION INFORMATION:

MET FURNORMATION:

PERFERENCE/DOCKET NUMBER: 015389-000811US
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 B: Townsend and Townsend and Crew LLP
Two Embarcadero Center, Eighth Floor
                                                                                                                                                                                                                                        DB 1;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           DB 2;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Sequence 23, Application US/08660678A
Patent No. 5837857
GENERAL INFORMATION:
APPLICANT: Villeponteau, Bryant
APPLICANT: Feng, Juni
APPLICANT: Funk, Walter
APPLICANT: Funk, Walter
TITE OF INVENTION: Mammalian Telomerase
NUMBER OF SEQUENCES: 30
CORRESPONDENCE ADDRESS:
                                                                                                                                                                                                                                      Query Match 73.3%; Score 22; DB Best Local Similarity 100.0%; Pred. No. 0.1 Matches 22; Conservative 0; Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           73.3%; Score 22; DB 100.0%; Pred. No. 0.1 tive 0; Mismatches
                                                                                                                                                                                                                                                                                                                                  1 GCTCTAGAATGAACGGTGGAAG 22
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       (415) 576-0300
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       TELEFAX: (415) 576-0300 INFORMATION FOR SEQ ID NO: :
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Query Match 73.39
Best Local Similarity 100.(
Matches 22; Conservative
                          INFORMATION FOR SEQ ID NO: SEQUENCE CHARACTERISTICS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     SEQUENCE CHARACTERISTICS
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                                                                        26 base pairs
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    STRANDEDNESS: single
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               CITY: San Francisco
STATE: California
                                                                                                 nucleic acid
                                                                                                                                               linear
                                                                                                                                                                  MOLECULE TYPE: DNA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       MOLECULE TYPE: DNA
                                                                                                   TYPE: nucleic
STRANDEDNESS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                USA
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    TELEPHONE:
                                                                                                                                                                                          US-08-482-115B-23
                                                                                                                                                                                                                                                                                                                                                                                                                                                                          US-08-660-678A-23
                                                                                                                                            TOPOLOGY:
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       TELEFAX:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            TREET:
                                                                        LENGTH:
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APPLICANT: Feng, Junia
APPLICANT: Feng, Junia
APPLICANT: Funk, Walter
APPLICANT: Andrews, William H.
TITLE OF INVENTION: Assays for the RNA Component of Human
TITLE OF INVENTION: Telomerase
NUMBER OF SEQUENCES: 40
CORRESPONDENCE ADDRESS:
ADDRESSEE: Townsend and Townsend and Crew LLP
STREET: Two Embarcadero Center, Eighth Floor
CITY: San Francisco
STATE: California
COUNTRY: USA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 DB 1; Length 26;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             COMPUTER READABLE FORM:
MEDIUM TYPE: Flopped disk
COMPUTER: IBM PC compatible
COMPUTER: IBM PC compatible
CONFUTER: IBM PC compatible
CONFOURER: IBM PC compatible
CONFOURER: IBM PC compatible
CONFOURTE: IBM PC compatible
CONFOURTE: IBM PC compatible
SOFTWARE: PatentIn Release #1.0, Version #1.30
CURRENT APPLICATION NUMBER: US/08/482,115B
FILING DATE: 07-00N-1995
CLASSIFICATION: 435
PRIOR APPLICATION NUMBER: US 08/272,102
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/310,123
APPLICATION NUMBER: US 08/330,123
APPLICATION NUMBER: US 08/330,123
ATMOREY/AGENTINFORMATION:
SOPTWARE: Patentin Release #1.0, Version #1.25 RRENT APPLICATION DATA: APPLICATION NUMBER: US/08/330,123A
                                                               FILING DATE: 27-0CT-1994
CLASSIFICATION: 435
PIOR APPLICATION DATA:
APPLICATION DATA:
APPLICATION NUMBER: US 08/272,102
FILING DATE: 07-JUL-1994
ATTORNEY/AGENT INFORMATION:
NAME: Smith, William M
REGISTRATION NUMBER: 15389-000810
TELECOMUNICATION INFORMATION:
TELECOMUNICATION INFORMATION:
TELEFAX: (415) 326-2420
INFORMATION FOR EAQ ID NO: 23:
ERQUENCE CHARACTERISTICS:
LENGTH: 26 base pairs
TYPE: nucleic acid
STRANDEDNOSS: single
TOPOLOGY: linear
MOLECULE TYPE: DNA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    REFERENCE/DOCKET NUMBER: 015389-000830US
TELECOMMUNICATION INFORMATION:
TELEPHONE: (415) 576-0200
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Query Match 73.3%; Score 22; DB Best Local Similarity 100.0%; Pred. No. 0.1 Matches 22; Conservative 0; Mismatches
                             27-0CT-1994
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Patent No. 5776679
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           1 GCTCTAGAATGAACGGTGGAAG 22
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   US-08-330-123A-23
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                                                                                                                                                          APPLICANT: Villeponteau, Bryant
APPLICANT: Feng, Junli
APPLICANT: Andrews, William H.
APPLICANT: Adams, Robert R.
TITLE OF INVENTION: Methods and Reagents for Regulating
TITLE OF INVENTION: Telomere Length and Telomerase Activity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  DB 2; Length 26; 0.18;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/710,249
FILING DATE: 13-SEP-1996
CLASSIFICATION S 36
PILOR APPLICATION DATE: US/08/710,249
FILING DATE: 05-JAN-1996
PRIOR APPLICATION NUMBER: US 08/583,808
FILING DATE: 05-JAN-1996
PRIOR APPLICATION NUMBER: US 60/003,492
ATOMNEY AGENT INPORMATION:
NAME: SECONMUNICATION NUMBER: 32,944
REGISTRATION NUMBER: 32,944
                                                                                                                                                                                                                                                                                                                                                                                                                                        E: Townsend and Townsend and Crew LLP
Two Embarcadero Center, Eighth Floor
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Query Match 73.3%; Score 22; DB Best Local Similarity 100.0%; Pred. No. 0.1 Matches 22; Conservative 0; Mismatches
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Avilion, Ariel Athena
Feng, Junli
Funk, Walter
Greider, Carol
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  IBM PC compatible
SYSTEM: PC-DOS/MS-DOS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        5 gcrcracaarcaacccrocaaac 26
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Patent No. 5876979
                                                     Sequence 26, Application US/08710249
Patent No. 5858777
GENERAL INFORMATION:
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            26 base pairs
nucleic acid
                                                                                                                                                                                                                                                                                                                                                                                                                                                                 STREET: Two bulkers CITY: San Francisco
                                                                                                                                                                                                                                                                                                                                                                                                               CORRESPONDENCE ADDRESS:
ADDRESSEE: Townsend
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             ZIP: 94111-3834
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy
                                                                                                                                                                                                                                                                                                                                                                              NUMBER OF SEQUENCES:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    MOLECULE TYPE: DNA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  COMPUTER: IBM PC
OPERATING SYSTEM:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         GENERAL INFORMATION:
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APPLICANT:
APPLICANT:
APPLICANT:
APPLICANT:
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                                   US-08-710-249-26
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RESULT 7
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                                                                                       ADDRESSEE: Hamilton, Brook, Smith & Reynolds, P.C. STREET: Two Militia Drive
                                                                                                                                                                                                                                                                         CURRENT APPLICATION DATA:

CURRENT APPLICATION DATA:

APPLICATION NUMBER:

FILING DATE: 07-08-1995

PRIOR APPLICATION NUMBER: 08/08/485,778

FILING DATE: 07-08-1995

PRIOR APPLICATION NUMBER: 08 08/387,524

PILING DATE: 13-FEB-1995

PRIOR APPLICATION NUMBER: 08 08/330,123

APPLICATION NUMBER: 08 08/330,123

FILING DATE: 27-0CT-1994

PRIOR APPLICATION NUMBER: 08 08/272,102

FILING DATE: 07-0UL-1994
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             APPLICANT: Marhuenda, Maria Antonia Blasco
APPLICANT: Villeponteau, Bryant
ITILE OF INVENTION: RNA COMPONENT OF TELOMERASE
NUMBER OF SEQUENCES: 45
CORRESPONDENCE ADDRESS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Query Match 73.3%; Score 22; DB 2; Best Local Similarity 100.0%; Pred. No. 0.18; Matches 22; Conservative 0; Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   FILING DATE: 07-JUL-1994
ATTORNEY/AGENT INFORMATION:
NAME: Granahan, Patricia
REGISTATION NUMBER: 32,227
REFERENCE/DOCKET NUMBER: CSHL94-05A4
TELECOMMUNICATION INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        1 GCTCTAGAATGAACGGTGGAAG 22
                                                                                                                                                                                                                                        COMPUTER: IBM PC compatible OPERATING SYSTEM: PC-DOS/MS-DOS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              COUNTRY: USA
ZIP: 94111-3834
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC COMpatible
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               TELEPHONE: 617-861-6240
TELEFAX: 617-861-9540
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    INFORMATION FOR SEQ ID NO: SEQUENCE CHARACTERISTICS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        26 base pairs
                                                                                                                                                                                 ZIP: 02173
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy of
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            San Francisco
California
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                                                                                                                               Lexington
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US-08-472-802C-24
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US-08-485-778-19
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            COUNTRY:
                                                                                                                                                                      COUNTRY:
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SOFTWARE PATENTIN Release #1.0, Version #1.30
CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/08/998,443
FILING DATE:
CLASSIFICATION:
PRIOR APPLICATION NUMBER: US/08/660,678
FILING DATE: 05-JUN-1996
APPLICATION NUMBER: US 08/330,123
FILING DATE: 27-OCT-1994
PRIOR APPLICATION NUMBER: US 08/22,102
FILING DATE: 07-JUL-1994
ATTORNEY/AGENT INPORMATION:
NAME: SLOATEIN JOHN R.
REFERENCE/POCKET NUMBER: 32,944
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Sequence 23, Application US/08998443
Patent No. 6054575
GENERAL INFORMATION:
APPLICANT: Villeponteau, Bryant
APPLICANT: Feng, Junia
APPLICANT: Andrews, William H.
TITLE OF INVENTION: Mammalian Telomerase
NUMBER OF SEQUENCES: 30
CORRESPONDENCE ADDRESS:
ADDRESSEE: Townsend and Townsend and Crew LLP
STREET: Two Embarcadero Center, Eighth Floor
CITY: SAN Francisco
PRIOR APPLICATION DATA:

APPLICATION NUMBER: US 08/272,102
FILING DATE: 07-UL-1994
TTILING DATE: 07-UL-1994
TTORNEY/AGENT INFORMATION:
NAME: Granahan, Patricia
REGISTRATION NUMBER: 32,227
REFERENCE/DOCKET NUMBER: CSHL94-05A3B
TELEPHONE: 617-861-6240
TELEPHONE: 617-861-9540
INFORMATION FOR SEQ ID NO: 19:
SEQUENCE CHARACTERISTICS:
LENGTH: 26 base pairs
                                                                                                                                                                                                                                                                                                                                                                                                                         Query Match 73.3%; Score 22; DB Best Local Similarity 100.0%; Pred. No. 0.1 Matches 22; Conservative 0; Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               ZIP: 94111-3834
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
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INFORMATION FOR SEQ ID NO: SEQUENCE CHARACTERISTICS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            26 base pairs
                                                                                                                                                                                                                                                                                                          TYPE: nucleic acid
STRANDEDNESS: sing
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                                                                                                                                                                                                                                                                                                                                                          linear
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                                                                                                                                                                                                                                                                                                                                                                             US-08-520-550A-19
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                US-08-998-443-23
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** APPLICANT: Greider, Carol

** APPLICANT: Marhuenda, Maria A. B.

** APPLICANT: Wilhenteau, Bryant

** TITLE OF INVENTION: RNA Component of Telomerase

NUMBER OF SEQUENCES: 47

CORRESPONDENCE ADDRESS:

ADDRESSEE: Hamilton, Brook, Smith & Reynolds, P.C.

STREET: Lexington

STREET: Manilton

CITY: Lexington

STREER: MA
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ZIP: 02173

COMPUTER READABLE PORM:

MEDIUM TYPE: Floppy disk

COMPUTER: IBM PC compatible

OPERATING SYSTEM: PC-DOS/MS-DOS

SOFTWARE: PatentIn Release #1.0, Version #1.30

CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/08/520,550A

FILING DATE: 29-MG-1995

CLASSIFICATION: 435

PRIOR APPLICATION DATA:

APPLICATION NUMBER: US 08/387,524

FILING DATE: 13-PEB-1995

PRIOR APPLICATION DATA:

APPLICATION NUMBER: US 08/387,524

FILING DATE: 27-OCT-1994
YSTEM: PC-DOS/MS-DOS
Patentin Release #1.0, Version #1.30
                                    SUTTWAKE: PATENTIN KOLEAGE #1.0, VERSION
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/472,802C
FILING DATE: 07-UW-1995
CLASSIFICATION DATA:
APPLICATION DATA:
APPLICATION DATA:
APPLICATION NUMBER: US 08/272,102
FILING DATE: 07-UUL-1994
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/330,123
FILING DATE: 27-OCT-1994
ATTORNEY/AGENT INFORMATION:
NAME: Smith, William M.
REGISTRATION NUMBER: 15389-000820
TELECOMMUNICATION INFORMATION:
TELEPHONE: (415) 576-0200
TELEPHONE: (415) 576-0300
INFORMATION FOR SEQ ID NO: 24:
SEQUENCE CHARACTERISTICS:
LENGTH: 26 base pairs
TYPE: NUCLEIC acid
STRANDEDNESS: single
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Sequence 19, Application US/08520550A Patent No. 6013468 GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             73.32,
100.0%; Pre
0;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 T: Andrews, William H.
T: Avilion, Ariel A.
T: Feng, Junli
T: Funk, Walter
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Query Match 73.3
Best Local Similarity 100.
Matches 22; Conservative
       OPERATING SYSTEM:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       ; MOLECULE TYPE: DNA
US-08-472-802C-24
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                US-08-520-550A-19
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US-09-060-523-23
Sequence 23, Application US/09060523
Featent No. 625835
GENERAL INFORMATION:
APPLICANT: Funk, Walter
APPLICANT: Funk, Walter
APPLICANT: Funk, Walter
APPLICANT: Funk, Walter
APPLICANT: Andrews, William H.
TITLE OF INVENTION:
MAMMER OF SEQUENCES: 25
CORRESPONDENCE ADDRESS:
ADDRESSEE: Townsend and Townsend and Crew Lip
STREET: Two Embarcadero Center, Eighth Floor
GITY: San Francisco
STATE: California
COUNTRY: USA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   SOFTWARE: Patentin Release #1.0, Version #1.30 CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/060,523 FILING DATE: 14-APR-1998
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          73.3%; Score 22; DB 4; ilarity 100.0%; Pred. No. 0.18; Conservative 0; Mismatches
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                                                                                                               015389-002610US
                                                                                                                                                                                                                                                                                                                                                                                                                                      ) NAME/KEY: -
; LOCATION: 1..26
; CTHER INFORMATION: /note= "R3c primer"
US-08-974-549A-598
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               FILING DATE: 14-APR-1998
CLASSIFICATION: 536
PRIOR APPLICATION DATA:
APPLICATION DATA:
APPLICATION DATA:
FILING DATE: 05-JUN-1996
FRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/330,123
FILING DATE: 27-OCT-1994
PRIOR APPLICATION NUMBER: US 08/272,102
FILING DATE: 07-UU-1994
ATTORNEY/AGENT INFORMATION:
NAME: SCOTALIA, JOHN R.
REGISTRATION NUMBER: 32,944
REGISTRATION NUMBER: 32,944
REGISTRATION NUMBER: 32,944
REFERENCE/DOCKET NUMBER: 015389-0008
TELEPHONE: (415) 576-0200
TELEPHONE: (415) 576-0300
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          1 GCTCTAGAATGAACGGTGGAAG 22
                                                NAME: Apple, Randolph Ted
REGISTRATION NUMBER: 36,429
REFERENCE/DOCKET NUMBER: 01534
TELECOMMUNICATION INFORMATION:
TELEPAK: (415) 576-0200
INFORMATION FOR SEQ ID NO: 598:
ELEVATION FOR SEQ ID NO: 598:
LENGTH: 26 Asse pairs
TYPE: nucleic acid
STRANDEDNESS: single
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    COUNTRY: USA
ZIP: 94111-3834
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-D
FILING DATE: 01-OCT-1997
ATTORNEY/AGENT INFORMATION:
NAME: Apple, Randolph Tec
REGISTRATION NUMBER: 36,
                                                                                                                                                                                                                                                                                                                                                                 linear
DNA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Query Match
Best Local Similarity
Matches 22; Conserv
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MOLECULE TYPE:
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APPLICANT: Chapman, Karen B.
APPLICANT: Morin, Greege B.
APPLICANT: Harley, Calvin B.
APPLICANT: Harley, Calvin B.
APPLICANT: Andrews, William H.
ITILE OF INVENTION: Human Telomerase Catalytic Subunit
NUMBER OF SEQUENCES: 727
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
COMPUTER: IBM PC compatible
CORPERATIOG SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/974,549A
FILING DATE: 19-NOV-1997
CLIASSIFICATION DATA:
APPLICATION NUMBER: US 08/724,643
FILING DATE: 10-NOV-1997
FILING DATE: 10-NOV-1997
FILING DATE: 10-NOV-1996
PRICK APPLICATION NUMBER: US 08/844,419
FILING DATE: 18-APR-1997
FILING DATE: 25-APR-1997
FRICK APPLICATION NUMBER: US 08/846,017
FILING DATE: 16-NAX-1997
FRILNG DATE: 06-NAX-1997
FRILNG DATE: 06-NAX-1997
FRILNG DATE: 09-NAX-1997
FRILNG DATE: 14-NG-1997
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            ADDRESSEE: Townsend and Townsend and Crew LLP STREET: Two Embarcadero Center, Bighth Floor CITY: San Francisco STATE: California
                                                                                                                                               Query Match 73.3%; Score 22; DB 3; Best Local Similarity 100.0%; Pred. No. 0.18; Matches 22; Conservative 0; Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   PRIOR APPLICATION DATA:
APPLICATION NUMBER:
WO PCT/US97/17618
FILING DATE:
O1-0CT-1997
PRIOR APPLICATION DATA:
APPLICATION NUMBER: WO PCT/US97/17885
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14-AUG-1997
                                                                                                                                                                                                                                                                                                                                                                                                                                           Sequence 598, Application US/08974549A
Patent No. 6166178
                                                                                                                                                                                                                                                                                                                s gcrcragaardaacggrggaag 26
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Lingner, Joachim
Nakamura, Toru
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PRIOR APPLICATION DATA:
APPLICATION NUMBER: U
FILING DATE: 14-AUG-1
                 STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: DNA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           CORRESPONDENCE ADDRESS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         COUNTRY: USA
ZIP: 94111-3834
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   GENERAL INFORMATION:
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US-08-998-443-23
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APPLICANT: Feng, Junii
APPLICANT: Feng, Junii
APPLICANT: Andrews, William H.
APPLICANT: Andrews, William H.
TITLE OF INVENTION: Methods and Reagents for Regulating
TITLE OF INVENTION: Telomere Length and Telomerase Activity
NUMBER OP SEQUENCES: 26
CORRESPONDENCE ADDRESS:
ADDRESSEE: Townsend and Townsend and Crew LLP
STREET: Two Embarcadero Center, Righth Floor
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      DB 4; Length 26; 0.18;
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COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/220,157A
                                                                                                                                                                                                                                                                                                                                                                                      73.3%; Score 22; DB 4;
100.0%; Pred. No. 0.18;
tive 0; Mismatches
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CLASSIFICATION:
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US/08/710,249
FILING DATE: 13-SEP-1996
APPLICATION NUMBER: US 08/583,808
FILING DATE: 05-JAN-1996
PRIOR APPLICATION DATA:
APPLICATION DATA:
APPLICATION NUMBER: US 60/003,492
FILING DATE: 08-SEP-1995
ATTORNEY/AGENT INFORMATION:
NAME: SLOVElla, John R.
REGISTRATION NUMBER: 32,944
REFERENCE/DOCKET NUMBER: 015389-0017
TELECOMMUTICATION INFORMATION:
TELEPHONE: (415) 576-0200
TELEPHONE: (415) 576-0300
TELEPAX: (415) 576-0300
TELEPAX: (415) 576-0300
TELEPAX: CARRACTERISTICS:
LENGTH: 26 base pairs
"WODE: MICLES AND STANDERS AND STA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Sequence 26, Application US/09220157A Patent No. 6300110 GENERAL INFORMATION:
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| INFORMATION FOR SEQ ID NO: |
| SEQUENCE CHARACTERISTICS: |
| LENGTH: 26 base pairs |
| TYPE: nucleic acid |
| TYPE: nucleic acid |
| STRANDEDNESS: single |
| TOPOLOGY: linear |
| MOLECULE TYPE: DNA |
| US-09-060-523-23
                                                                                                                                                                                                                                                                                                                                                                                  Query Match
Best Local Similarity 100.
Matches 22; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          CITY: San Prancisco
STATE: California
COUNTRY: USA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   ; MOLECULE TYPE: DNA
US-09-220-157A-26
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Gaps
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                                                                                                                                              GENERAL INCORMATION:

GENERAL INFORMATION:

APPLICANT: Johns Hopkins University
APPLICANT: Carifer, Carol W.

APPLICANT: Greider, Carol W.

TITLE OF INVENTION: TELOMERASE-ASSOCIATED PROTEINS
FILE REFERENCE: 07265/157001

CURRENT APPLICATION NUMBER: US/09/286,959B

CURRENT PILING DATE: 1999-04-06

PRIOR APPLICATION NUMBER: 60/080,783

PRIOR FILING DATE: 1998-04-06

NUMBER OF SEQ ID NOS: 24

SOTWARE: FastSEQ for Windows Version 4.0

SEQ ID NO 4

LENGTH: 26
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         DB 4;
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Job time: 46.5378 secs
5 GCTCTAGAATGAACGGTGGAAG 26
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                                                                                                            Sequence 4, Application US/09286959B Patent No. 6300131
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Query Match 73.3%; Sco
Best Local Similarity 100.0%; P:
Matches 22; Conservative 0;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  TYPE: DNA
ORGANISM: Artificial Sequence
FEATURE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  ; OTHER INFORMATION: Primer US-09-286-959B-4
                                                                                            US-09-286-959B-4
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Sequence 64498, A Sequence 65, Appl Sequence 67, Appl Sequence 56, Appl Sequence 77, Appl Sequence 7103, Ap Sequence 111, Appl

Sequence 11, Appl Sequence 4633, Ap Sequence 4634, Ap Sequence 31404, A Sequence 72147, A

Sequence 5,

US-10-062-809-21
US-10-062-809-21
US-10-098-25B-64498
US-10-031-297-56
US-10-081-806-67
US-09-940-244-56
US-09-940-244-56
US-09-940-244-56
US-09-848-744A-7103
US-10-215-112-4634
US-10-215-112-4634
US-10-215-112-4634
US-10-215-112-4634
US-10-098-263B-7147
US-10-098-263B-7147
US-10-098-263B-7147
US-10-098-263B-7359
US-10-098-263B-777

Sequence 13, Appl Sequence 235, Appl Sequence 50, Appl Sequence 8975, Ap Sequence 27359, A Sequence 27359, A Sequence 27369, A Sequence 27369, A

Appli

Sequence 17930, A Sequence 19, Appl Sequence 77, Appl Sequence 6,

ALIGNMENTS

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US-10-044-692-312
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Sequence 13, Appl
Sequence 10, Appl
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                                                                                                                June 25, 2003, 13:28:54; Search time 91.1952 Seconds (without alignments) 482.732 Million cell updates/sec
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.
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Sequence 23,
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Published Applications NA:*

(cgn2_6/ptodate/1/pubpna/US07_puBCOMB.seq:*

(cgn2_6/ptodate/1/pubpna/PCT_MBW_PUB.seq:*

(cgn2_6/ptodate/1/pubpna/US06_NEW_PUB.seq:*

(cgn2_6/ptodate/1/pubpna/US06_NEW_PUB.seq:*

(cgn2_6/ptodate/1/pubpna/US07_NEW_PUB.seq:*

(cgn2_6/ptodate/1/pubpna/US07_NEW_PUB.seq:*

(cgn2_6/ptodate/1/pubpna/US08_NEW_PUB.seq:*

(cgn2_6/ptodate/1/pubpna/US09_PUBCOMB.seq:*

(cgn2_6/ptodate/1/pubpna/US09_NEW_PUB.seq:*

(cgn2_6/ptodate/1/pubpna/US09_PUBCOMB.seq:*

(cgn2_6/ptodate/1/pubpna/US09_PUBCOMB.seq:*

(cgn2_6/ptodate/1/pubpna/US09_PUBCOMB.seq:*

(cgn2_6/ptodate/1/pubpna/US09_PUBCOMB.seq:*

(cgn2_6/ptodate/1/pubpna/US09_PUBCOMB.seq:*

(cgn2_6/ptodate/1/pubpna/US09_PUBCOMB.seq:*

(cgn2_6/ptodate/1/pubpna/US00_PUBCOMB.seq:*

(cgn2_6/ptodate/1/pubpna/US00_PUBCOMB.seq:*

(cgn2_6/ptodate/1/pubpna/US00_PUBCOMB.seq:*

(cgn2_6/ptodate/1/pubpna/US00_PUBCOMB.seq:*

(cgn2_6/ptodate/1/pubpna/US00_PUBCOMB.seq:*)
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GenCore version 5.1.6
Copyright (c) 1993 - 2003 Compugen Ltd.
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US-09-852-416-31
US-10-096-789-13
US-10-096-790-10
                                                                                                                                                                                                                                         1 GCTCTAGAATGAACGGTGGAAGGCGGCAGG 30
                                                                                                                                                                                                                                                                                                                                                                                 Total number of hits satisfying chosen parameters:
                                                                                                                                                                                                                                                                                                                                             1042519 segs, 733713590 residues
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         SUMMARIES
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries
                                                                            - nucleic search, using sw model
                                                                                                                                                                                                                                                                                  IDENTITY_NUC
Gapop 10.0 , Gapext 1.0
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30
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Match Length
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Published
                                                                                                                                                                                                                                                                                                                                                                                                                            Minimum DB seq length: 0 Maximum DB seq length: 50
                                                                                                                                                                                                                                                                               Scoring table:
                                                                                                                                                                                                                        Perfect score:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Score
                                                                            OM nucleic
                                                                                                                                                                                                                                             Sequence:
                                                                                                                                                                                                                                                                                                                                               Searched:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Database
                                                                                                                    Run on:
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DIAGNOSTIC AND Morio, Gregg B.
Harley, Calvin
Andrews, William H.
TITLE OF INVENTION: HUMAN TELOMERASE CATALYTIC SUBUNIT: MEDIUM TYPE: Ploppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARR: Patentin Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/10/044,692
FILING DATE: 11-Jan-2002
CLASSIFICATION: <UNKNOWN>
PRIOR APPLICATION DATA: CORRESPONDENCE ADDRESS:
CORRESPONDENCE ADDRESS:
ADDRESSER: Townsend and Townsend and Crew I STRET: Two Embarcadero Center, 8th Floor CITY: San Francisco
STATE: California
COUNTRY: United States of America
ZIP: 94111
COMPUTER READABLE FORM: APPLICATION NUMBER: 08/912,951
FILING DATE: «Unknown»
APPLICATION NUMBER: US 08/854,050
FILING DATE: 09-MAY-1997
APPLICATION NUMBER: US 08/851,843
FILING DATE: 06-MAY-1997
APPLICATION NUMBER: US 08/846,017
FILING DATE: 25-APR-1997
APPLICATION NUMBER: US 08/844,419
FILING DATE: 18-APR-1997 Sequence 312, Application US/10044692;
Publication No. US20030096344A1
GENERAL INFORMATION:
APPLICANT: Cech, Thomas R.
Lingner, Joachim
Nakamura, Toru
Chapman, Karen B. NUMBER OF SEQUENCES: 335

Sequence 409, App Sequence 51583, A Sequence 81514, A Sequence 105334,

0 US-03-859-854-31 US-10-139-483-3 US-10-090-182A-255 US-10-090-182A-409 US-10-090-182A-409 US-10-098-263B-51583 US-10-098-263B-81514 US-10-098-8383-19

Sequence 31, Sequence 3, Sequence 255 Sequence 234 Sequence 19, Appl Sequence 16, Appl Sequence 18, Appl

Sequence 39, Sequence 25,

US-09-814-292-39 US-09-875-228-25

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Length 26;
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NAME: Apple, Randolph T.
REGISTRATION NUMBER: 36,429
REFERENCE/DOCKET NUMBER: 015389-002600US
TELECOMMUNICATION INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      ADDRESSEE: Townsend and Townsend and Crew LLP STREET: Two Embarcadero Center, Eighth Floor CITY: San Francisco
                                                                                                                                                                                                                                                                                                                                               13.3%; Score 22; DB 9; ilarity 100.0%; Pred. No. 0.96; Conservative 0; Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        015389-000821US
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         APPLICANT: Villeponteau, Bryant
APPLICANT: Feng, Junii
APPLICANT: Fend, Walter
APPLICANT: Andrews, William H.
TITLE OF INVENTION: Mammalian Telomerase
NUMBER OF SEQUENCES: 42
                                                                                                                                                                                                                                        TOPOLOGY: linear
MOLECULE TYPE: DNA
SEQUENCE DESCRIPTION: SEQ ID NO: 312:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/272,102
FILING DATE: 07-01-1994
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/330,123
FILING DATE: 27-0CT-1994
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/472,802
FILING DATE: 07-JUN-1995
ATTORNEY/AGENT INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                s gereragaargaacgerggaag 26
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Sequence 23, Application US/09057351
Patent No. US20010034439A1
                                                                                                                                                                                                                                                                                                                                                                                                                                           1 GCTCTAGAATGAACGGTGGAAG
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           NAME: Storella, John R. REGISTRATION NUMBER: 32,944 REFERENCE/DOCKET NUMBER: 01. TELECOMMUNICATION INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         IBM PC compatible
                                                                                                                                                                            LENGTH: 26 base pairs
TYPE: nucleic acid
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    (415) 576-0200
                                                                                  TELEPHONE: (415) 576-01 TELEPAX: (415) 576-01 INFORMATION FOR SEQ ID NO: 312 SEQUENCE CHARACTERISTICS:
                                                                                                                                                                                                                     STRANDEDNESS: single
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      TELEFAX: (415) 576-0300 INFORMATION FOR SEQ ID NO: 2
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            CORRESPONDENCE ADDRESS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                nucleic acid
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: USA
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Matches 22; Conserv
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           ZIP: 94111-3834
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             COMPUTER:
                                                                                                                                                                                                                                                                                                          US-10-044-539-312
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      COUNTRY:
                                                                                                                                                                                                                                                                                                                                                        Query Match
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COMPUTER READBLE FORM:

MEDIUM TYPE: Floppy disk

COMPUTER: IBM PC compatible

OPERATING SYSTEM: PC-DOS/MS-DOS

SOFTWARE: Patentin Release #1.0, Version #1.30

CURRENT APPLICATION DATA:

FILING DATE: 11-Jan-2002

CLASSIFICATION: 435
                                                                                                                                                                                                                                                                                                                                                                                                                             Length 26;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                    0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    CORRESPONDENCE ADDRESS:
ADDRESSEE: Townsend and Townsend and Crew LLP STREET: Two Embarcadero Center, 8th Floor CITY: San Francisco
                                                                  NAME: Apple, Randolph T.
REGISTRATION NUMBER: 36,429
REFERENCE/DOCKET NUMBER: 015389-002600US
TELECOMUNICATION INFORMATION:
TELEPHONE: (415) 576-0200
TELEPAX: (415) 576-0300
INFORMATION FOR SEQ ID NO: 312:
                                                                                                                                                                                                                                                                                                                                                                                                                           DB 9;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               THERAPEUTIC METHODS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/912,951
FILING DATE: «Unknown-
APPLICATION NUMBER: US 08/854,050
FILING DATE: 09-MAY-1997
APPLICATION NUMBER: US 08/851,843
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  APPLICATION NUMBER: US 08/724,643
FILING DATE: 01-OCT-1996
                                                                                                                                                                                                                                                                                                                                                                                                                        Query Match 73.3%; Score 22; DB Best Local Similarity 100.0%; Pred. No. 0.5 Matches 22; Conservative 0; Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                STATE: California
COUNTRY: United States of America
      APPLICATION NUMBER: US 08/724,643
FILING DATE: 01-OCT-1996
ATTORNEY/AGENT INFORMATION:
                                                                                                                                                                                                                                                                                               TOPOLOGY: linear . . MOLECULE TYPE: DNA SEQUENCE DESCRIPTION: SEQ ID NO: 312: US-10-044-692-312
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   US-10-044-539-312;
Sequence 312, Application US/10044539;
Publication No. US20030100093A1;
GENERAL INFORMATION:
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TITLE OF INVENTION: HUMAN TELK
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     APPLICANT: Cech, Thomas R.
Lingner, Joachim
Nakamura, Toru
Chapman, Karen B.
                                                                                                                                                                                                                                 SEQUENCE CHARACTERISTICS:
LENGTH: 26 base pairs
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Morin, Gregg B.
Harley, Calvin
                                                                                                                                                                                                                                                                          TYPE: nucleic acid
STRANDEDNESS: single
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                1 GCTCTAGAATGAACGC
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STRANDEDNESS: single

ATTORNEY/AGENT INFORMATION:

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ATTORNEY/AGENT INFORMATION:
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          INFORMATION FOR SEQ ID NO: 13
      NUMBER OF SEQUENCES: 27
                                                                                                                                                                                                                                                                                                                                                                           PRIOR APPLICATION DATA:
                        CORRESPONDENCE ADDRESS
                                                                                        Washington
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 TELEX: < Unknown>
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                20; Conservative
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Best Local Similarity
Matches 20; Conserve
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                                                                                                                                                                                                                                                                                                                                                              APPLICANT: PKhosla, Chaitan
APPLICANT: PKhosla, Chaitan
APPLICANT: Pu, Hong
APPLICANT: Robart
APPLICANT: Kao, Camilla M.
APPLICANT: McDaniel, Robert
TITLE OF INVENTION: COMBINATORIAL POLYKETIDE LIBRARIES
TITLE OF INVENTION: PRODUCED USING A MODULAR PKS GENE CLUSTER AS SCAFFOLD
                                                                                                                                   Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  OTHER INFORMATION: Module rapDH/ER/KR1 (reverse) Primer pairs used OTHER INFORMATION: for PCR amplification of rapamycin PKS cassettes
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     COMBINATORIAL POLYKETIDE LIBRARIES
PRODUCED USING A MODULAR PKS GENE CLUSTER
AS SCAFFOLD
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                                                                                     DB 10; Length 26; 0.96;
                                                                                                                                   0; Indels
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74.1%; Pred. No. 6.3e+02;
cive 0; Mismatches 7;
                                                                                   73.3%; Score 22; DB 100.0%; Pred. No. 0.9
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       TILE REPERENCE: 30062-20005.02
CURRENT APPLICATION NUMBER: US/09/852,416
CURRENT FILING DATE: 2001-05-09
PRIOR PILING DATE: 2001-05-16
PRIOR PILING DATE: 1998-04-30
PRIOR FILING DATE: 1998-04-30
PRIOR PILING DATE: 1998-04-30
PRIOR PILING DATE: 1998-04-30
PRIOR PILING DATE: 1998-04-30
PRIOR FILING DATE: 1998-03-05
PRIOR FILING DATE: 1998-03-05
PRIOR FILING DATE: 1997-04-30
PRIOR FILING DATE: 1997-04-30
PRIOR FILING DATE: 1997-04-30
PRIOR PILING DATE: 1995-06-07
PRIOR PILING DATE: 1994-05-06
NUMBER OF SEQ ID NOS: 44
SOFTWARE: PRESERE FOR WINDOWS VETBION 4.0
SEQ ID NO 3
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             3 TCTAGAATGAACGGTGGAAGGCGGCAG 29
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Kao, Camilla M.
McDaniel, Robert
TITLE OF INVENTION: COMBINATORIAL
                                                                                                                                                                                                                    GCTCTAGAATGAACGGTGGAAG 26
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Sequence 13, Application US/10096789
Publication No. US20330077760A1
GENERAL INFORMATION:
APPLICANT: Khosla, Chaitan
Ashley, Gary
                                                                                                                                                                                                                                                                                                                   Sequence 31,, Application US/09852416
Publication No. US20030040084A1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     TYPE: DNA ORGANISM: Artificial Sequence
                                                                                   Query Match 73.3
Best Local Similarity 100.
Matches 22; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Query Match
Best Local Similarity 74.1
Matches 20; Conservative
; TOPOLOGY: linear; MOLECULE TYPE: DNA US-09-057-351-23
                                                                                                                                                                                                                                                                                                     US-09-852-416-31
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              US-10-096-789-13
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APPLICANT: Kosela, Chaiten

APPLICANT: Khosla, Chaiten

APPLICANT: Kaosla, Chaiten

APPLICANT: Kao, Camilla

APPLICANT: Navorion COMBINATORIAL POLYKETIDE LIBRARIES

TITLE OF INVENTION: COMBINATORIAL POLYKETIDE LIBRARIES

TITLE OF INVENTION: PRODUCED USING A MODULAR PKS GENE CLUSTER AS SCAFFOLD

FILLS REFERENCE: 300062-20005.03

CURRENT PAPLICATION NUMBER: US 60/076,919

PRIOR PILING DATE: 1998-03-05

PRIOR PILING DATE: 1998-03-05

PRIOR PILING DATE: 1997-04-30

PRIOR APPLICATION NUMBER: US 08/486,645

PRIOR APPLICATION NUMBER: US 08/486,645

PRIOR APPLICATION NUMBER: US 08/28,811

PRIOR PILING DATE: 1994-05-06
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                         STREET: 2000 Pennsylvania Avenue, NW, suite 5500
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Indels
                                                                                                  COUNTRY: USA
ZIP: 20006-1808
COMPUTER READABLE FORM:
MEDIUM TYPE: Diskette
COMPUTER: IBM Compatible
OPERATING SYSTEM: DGS
SOPTWARE: FastSEQ for Windows Version 2.0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Score 15.8; DB 9;
Pred. No. 6.3e+02;
0; Mismatches 7;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           NAME: Murashige, Kate H
REGISTRATION NUMBER: 29,959
REFERENCE/DOCKET NUMBER: 30062-20005.00
                                                                                                                                                                                                                                                                                                                                                                                                                        APPLICATION NUMBER: US/08/846,247
FILING DATE: 30-APR-1997
APPLICATION NUMBER: 08/486,645
APPLICATION NUMBER: 08/238,811
FILING DATE: 05-MAY-1994
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    0; Mismatches
                                                                                                                                                                                                                                                                                            CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/10/096,789
FILING DATE: 12-Mar-2002
CLASSIPICATION: <UNKNOWN>
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      TOPOLOGY: linear SEQ ID NO: 13: US-10-096-789-13
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             3 TCTAGAATGAACGGTGGAAGGCGGCAG 29
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& FOERSTER
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             TELECOMMUNICATION INFORMATION:
TELEPHONE: 202-887-1500
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Sequence 10, Application US/10096790 Publication No. US20030077707A1 GENERAL INFORMATION:
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RESULT 9
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PRODUCED USING A MODULAR PKS GENE CLUSTER AS SCAFFOLD
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               ;
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                                                                                                                                                                                                                                                                                                                                                                                                                                       ; FEATURE:
; OTHER INFORMATION: Primer rapDH/ER/KR1 (right half) (reverse)
US-10-096-790-10
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Ouery Match 52.7%; Score 15.8; DB 10; Length 30; Best Local Similarity 74.1%; Pred. No. 6.3e+02; Matches 20; Conservative 0; Mismatches 7; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Length 30;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Query Match 52.7%; Score 15.8; DB 9; Best Local Similarity 74.1%; Pred. No. 6.3e+02; Matches 20; Conservative 0; Mismatches 7;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      GENERAL INFORMATION:
APPLICANT: PKHOBIA, CHaitan
APPLICANT: Falshey, Gary
APPLICANT: For, Hong
APPLICANT: For, Hong
APPLICANT: Kao, Camilla M.
APPLICANT: Kao, Camilla M.
APPLICANT: McDaniel, Robert
TITLE OF INVENTION: COMBINATORIAL POLYKETIDE LIB
TITLE OF INVENTION: PRODUCED USING A MODULAR PK
FILE REFERENCE: 30062-20005.02
CURRENT APPLICATION NUMBER: DCT/US98/08792
PRIOR APPLICATION NUMBER: 60/076,919
PRIOR FILING DATE: 1998-04-30
PRIOR PILING DATE: 1997-04-30
PRIOR APPLICATION NUMBER: 08/486,645
PRIOR APPLICATION NUMBER: 08/239,811
PRIOR APPLICATION NUMBER: 08/239,811
PRIOR APPLICATION NUMBER: 08/239,811
PRIOR PILING DATE: 1995-06-07
PRIOR FILING DATE: 1995-06-07
PRIOR FILING DATE: 1995-06-07
PRIOR FILING DATE: 1995-06-07
PRIOR FILING DATE: 1995-06-07
PRIOR SEQIENCE SEQIENCE: MINDOMS Version 4.0
SEQIENCE: NUMBER: PRACESO FOR WINDOWS VERSION 4.0
SEQIENCE: NUMBER: PRACESO FOR WINDOWS VERSION 4.0
PRIOR APPLICATION NUMBER: US. 08/164,301
PRIOR FILING DATE: 1993-12-08
NUMBER OF SEQ ID NOS: 23
SOFTWARE: PastSEQ for Windows Version 4.0
SEQ ID NO 10
LENGTH: 30
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     3 TCTAGAATGAACGGTGGAAGGCGCCAG 29
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ORGANISM: Artificial Sequence
                                                                                                                                                                                                                                                                                                                                                                                     ORGANISM: Artificial Sequence
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       US-09-859-854-31
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Sequence 3, Application US/10139483 Publication No. US20030055266A1

GENERAL INFORMATION:
APPLICANT: Beeley, Nigel R
APPLICANT: Behan, Dominic P

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Thomas, John W.
TITLE OF INVENTION: Methods of Ex-vivo Expansion of
Hematopoietic Cells Using Interleukin-3 (IL-3) Multiple
Mutation Polypeptides
APPLICANT: Menaaghi, Frederique
APPLICANT: Strah-Pleynet, Sonja
TITLE OF INVENTION: Small Molecule Modulators Of G Protein-Coupled Receptor
TITLE OF INVENTION: Six
TITLE OF INVENTION: Six
FILE REFERENCE: ARENODS
CURRENT APPLICATION NUMBER: US/10/139,483
CURRENT FILING DATE: 2002-05-06
PRIOR FILING DATE: 2002-02-25
PRIOR FILING DATE: 1999-07-20
NUMBER OF SEQ ID NOS: 6
SOFTWARE: Patentin Ver: 2.1
SEQ ID NO 3
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                   Length 31;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  NUMBER OF SEQUENCES: 415
CORRESPONDENCE ADDRESSES:
ADDRESSEE: S. Christopher Bauer, Pharmacia Corp
Corporate Patent Dept. Mail Zone O4E
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARRE: Patentin Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/10/090,182A
FILING DATE: 03-Apr-2002
CLASSIFICATION: <Unknown>
                                                                                                                                                                                                                                                                                                                                                                                                                                                   Score 15.4; DB 9;
Pred. No. 9.6e+02;
0; Mismatches 6;
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PILING DATE: 24-NOV-1992
PILING DATE: 22-NOV-1992
PILING DATE: 22-NOV-1993
APPLICATION NUMBER: 08/411,795
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 APPLICATION NUMBER: 08/764,114
FILING DATE: 09-DEC-1996
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            2 CICTAGAATGAACGGTGGAAGGCGG 26
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         4 crcradaariccacciccaarccc 28
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Sequence 255, Application US/10090182A Publication No. US20030103936A1 GENERAL INFORMATION:
APPLICANT: Abrams, Mark A.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Bauer, S. C.
Braford-Goldberg,
Caparon, Maire H.
Easton, Alan M.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                ZIP: 63167
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Klein, Barbara K.
McKearn, John P.
Olins, Peter O.
Paik, Kumnan
                                                                                                                                                                                                                                                                                                                                                                                                                                                   Query Match
Best Local Similarity 76.0%;
Matches 19; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 PRIOR APPLICATION DATA:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               CITY: St. Louis
STATE: Missouri
                                                                                                                                                                                                                                                                                                                                                        ; TYPE: DNA
; ORGANISM: Homo sapiens
US-10-139-483-3
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  US-10-090-182A-255
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TITLE OF INVENTION: Methods of Ex-vivo Expansion of Hematopoietic Cells Using Interleukin-3 (IL-3) Multiple Mutation Polypeptides
                                                                                                                                                                                                                                                                                                                                                                                                                 Gaps
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                                                                                                                                                                                                                                                                                                                                                                     Length 41;
                                                                                                                                                                                                                                                                                                                                                                                                             Indels
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Patent Dept. Mail Zone 04E
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/10/090, 182A
FILING DATE: 03-Apr-2002
CLASSIFICATION: <UNKnown>
PRIOR APPLICATION DATA:
                                                                                                                                                                                                                                                                                                                                                                Query Match
48.7%; Score 14.6; DB 9;
Best Local Similarity 81.0%; Pred. No. 2.2e+03;
Matches 17; Conservative 0; Mismatches 4;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         APPLICATION NUMBER: 08/764,114
FILING DATE: 09-DEC-1996
APPLICATION NUMBER: US 07/981,044
FILING DATE: 24-NOV-1992
APPLICATION NUMBER: PCT/US93/11197
FILING DATE: 22-NOV-1993
APPLICATION NUMBER: 08/411,795
FILING DATE: 04-JUN-1995
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 NUMBER OF SEQUENCES: 415
CORRESPONDENCE ADDRESS:
ADDRESSEE: S. Christopher Bauer,
Corporate Patent Dept
                                                                                                                                                                                                                                                     TOPOLOGY: linear
MOLECULE TYPE: DNA (synthetic)
SEQUENCE DESCRIPTION: SEQ ID NO: 234:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         APPLICANT: Abrams, Mark A.
Bauer, S. C.
Braford-Goldberg, Sarah R.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          US-10-090-182A-409/c
; Sequence 409, Application US/10090182A
; Publication No. US20030103936A1
; GENERAL INFORMATION:
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NAME: S. Christopher Bauer
                            REGISTRATION NUMBER: 42,3
REFERENCE/DOCKET NUMBER:
TELECOMMUNICATION INFORMATION;
                                                                                                                                                                                                                                                                                                                                                                                                                                                         1 GCTCTAGAATGAACGGTGGAA 21
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   12 GCTCTATAATGATCGATGAAA 32
                                                                                           TELEPHONE: (636)737-6257
TELEPRA: (736)737-6257
INFORMATION FOR SEQ ID NO: 234:
SEQUENCE CHARACTERISTICS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Caparon, Maire H.
Easton, Alan M.
Klein, Barbara K.
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Olins, Peter O.
Paik, Kumnan
                                                                                                                                                                                 LENGTH: 41 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Thomas, John W.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               ZIP: 63167
COMPUTER READABLE FORM:
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STATE: Missouri
                                                                                                                                                                                                                                                                                                                    US-10-090-182A-234
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      COMPUTER: IBM PC compatible
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARENT PATEMENTION Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/10/090,182A
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TITLE OF INVENTION: Methods of Ex-vivo Expansion of
                                                                                                                                                                                                                                                                                                                                                                                                        Query Match
48.7%; Score 14.6; DB 9;
Best Local Similarity 81.0%; Pred. No. 2.2e+03;
Matches 17; Conservative 0; Mismatches 4;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                APPLICATION NUMBER: 08/764,114
FILING DATE: 09-DEC-1996
APPLICATION NUMBER: US 07/981,044
FILING DATE: 24-NOV-1992
APPLICATION NUMBER: PCT/US93/11197
FILING DATE: 22-NOV-1993
APPLICATION NUMBER: 08/411,795
FILING DATE: 04-JUN-1995
                                   TELEFAX: (736) 737-6257

INFORMATION FOR ESS.

TELEFAX: (736) 737-6257

INFORMATION FOR SEQ ID NO: 255:
SEQUENCE CHRACTERISTICS:
                                                                                                                                                                                                                                                                        TOPOLOGY: linear

MOLECULE TYPE: DNA ($YALhelic)

SEQUENCE DESCRIPTION: SEQ ID NO: 255:
US-10-090-182A-255
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Bauer, S. C.
Braford-Goldberg, Sarah R.
Caparon, Maire H.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Sequence 234, Application US/10090182A Publication No. US20030103936A1 GENERAL INFORMATION: APPLICANT: Abrams, Mark A.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      FILING DATE: 03-Apr-2002
CLASSIFICATION: <Unknown>
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           12 GCTCTATAATGATCGATGAAA 32
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       ZIP: 63167
UTER READABLE FORM:
MEDIUM TYPE: Floppy disk
FILING DATE: 04-JUN-1995
ATTORNEY/AGENT INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   1 GCTCTAGAATGAACGGTGGAA 21
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Baston, Alan M.
Klein, Barbara K.
McKearn, John P.
Olins, Peter O.
Paik, Kuman
Thomas, John W.
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                                                                                                                                                                                                                             LENGTH: 40 base pairs
                                                                                                                                                                                                                                                   TYPE: nucleic acid
STRANDEDNESS: single
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       NUMBER OF SEQUENCES: 415
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     PRIOR APPLICATION DATA:
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       CITY: St. Louis
STATE: Missouri
COUNTRY: USA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      US-10-090-182A-234
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Best Local Similarity 77.39
Matches 17; Conservative
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US-09-898-883-19
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Publication No. US20030104410A1
GENERAL INFORMATION:
APPLICANT: Mitthen Michael
FILE OF INVENTION: Human Microarray
FILE REFERENCE: 3118.1
CURRENT FILING DATE: 2003-01-08
FRIOR APPLICATION NUMBER: 06/276,759
FRIOR APPLICATION NUMBER: 60/276,759
FRIOR APPLICATION NUMBER: 60/276,759
FRIOR APPLICATION NUMBER: 60/276,759
FRIOR APPLICATION NUMBER: 60/276,759
FRIOR APPLICATION NUMBER: 131066
SOFTWARE: Microarray Probe Sequence Listing Generator V 1.1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             47.3%; Score 14.2; DB 9; Length 25; 84.2%; Pred. No. 3.3e+03;
                                                                                                                                                                                                                                                                                                            Length 45;
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TITLE OF INVENTION: Human Microarray
FILE REFERENCE: 3181
FILE REFERENCE: 3181
FILE REFERENCE: 3181
CURRENT APPLICATION NUMBER: US/10/098,263B
CURRENT FILING DATE: 2003-01-08
PRIOR PILING DATE: 2001-03-16
NUMBER OF SEQ ID NOS: 131066
SOFTWARE: Microarray Probe Sequence Listing Generator V 1.1
LENGTH: 25
                                                                                                                                                                                                                                                                                                                                                  Indels
                                                                                                                                                                                                                                                                                                        Query Match

48.7%; Score 14.6; DB 9;
Best Local Similarity 81.0%; Pred. No. 2.3e+03;
Matches 17; Conservative 0; Mismatches 4;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         0; Mismatches
        REFERENCE/DOCKET NUMBER: C2713/12
                                                                                                                                                                                        Sequence 81514, Application US/10098263B Publication No. US20030104410A1 GENERAL INFORMATION:
                          TELECOMMUNICATION INFORMATION:
TELEPHONE: (636)737-6257
TELEPAX: (736)737-6257
INFORMATION FOR SEQ ID NO: 409:
SEQUENCE CHARACTERISTICS:
LENGTH: 45 base pairs
                                                                                                                                                                                                                                                                                                                                                                                            1 GCTCTAGAATGAACGGTGGAA 21
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 2 CTCTAGAATGAACGGTGGA 20
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          7 crcradagrcaacgcrada 25
                                                                                                                                                         TYPE: nucleic acid
STRANDEDNESS: single
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Query Match
Best Local Similarity 84.2<sup>3</sup>
Matches 16, Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             trype: DNA CORGANISM: Homo sapien US-10-098-263B-51583
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          RESULT 13
US-10-098-263B-81514/c
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LENGTH: 25
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Length 25;

DB 9;

46.78; Score 14;

Query Match

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Lamparski, Henry
Schuur, Eric
Henderson, Daniel
TITLE OF INVENTION: ADENOVIRUS VECTORS SPECIFIC FOR CELLS
EXPRESSING APHA-FETOPROTEIN AND METHODS OF USE THEREOF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        ö
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                                                                                                                                                                                                                                  Sequence 105334, Application US/10098263B

Publication No. US20030104410A1

GENERAL INFORMATION:
APPLICANT: Mitthen, Michael
TITLE OF INVENTION: Human Microarray
FILE REFERENCE: 3118.1
CURRENT FILING DATE: 2003-01-08
PRIOR APPLICATION NUMBER: 60/276,759
PRIOR APPLICATION NUMBER: 60/276,759
PRIOR APPLICATION NUMBER: 60/276,759
PRIOR SEQ ID NOS: 131066
NUMBER OF SEQ ID NOS: 131066
SOFTWARE: Microarray Probe Sequence Listing Generator V 1.1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Length 25;
                      Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   COMPUTER: IBM PC Compatible
COMPUTER: IBM PC Compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
PIPLICATION NUMBER: US/109/898, 883
FILING DATE: 02-Jul-2001
CLASSIFICATION: <UNknown>
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            NAME: POLIZZI, CATHERINE M.
REGISTRATION NUMBER: 40,130
REFERENCE/DOCKET NUMBER: 34802-30004.00
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    4.1e+03;
77.3%; Pred. No. 4.1e+03; :ive 0; Mismatches 5
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             46.7%; Score 14; DB 9; 77.3%; Pred. No. 4.1e+03
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APPLICATION NUMBER: US/09/033,428
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         NUMBER OF SEQUENCES: 23
CORRESPONDENCE ADDRESS:
ADDRESSEE: WORRISON & FOERSTER
STREET: 755 PAGE MILL ROAD
CITY: PALO ALTO
STATE: CA
COUNTRY: USA
ZIP: 94504-1018
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          TELECOMMUNICATION INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          4 CTAGAATGAACGGTGGAAGGCG 25
                                                                   23
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        23 cradacredacrereceraeres 2
                                                                                                       24 CTCTAGAAGGTACGGGTGTAGG 3
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Sequence 19, Application US/09898883
Patent No. US20020164799A1
GENERAL INFORMATION:
APPLICANT: Little, Andrew
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         FILING DATE: <Unknown>
ATTORNEY/AGENT INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Best Local Similarity 77.3
Matches 17; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   TYPE: DNA
CORGANISM: Homo sapien
US-10-098-263B-105334
                                                                                                                                                                                                                        US-10-098-263B-105334/c
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   SEQ ID NO 105334
LENGTH: 25
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Search completed: June 25, 2003, 22:25:06 Job time: 92.1952 secs

(OTASU) MNAJB 39A9 SIHT

Run on:

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21
                                    June 24, 2003, .22:19:40 ; Search time 2545.58 Seconds (without alignments) 296.308 Million cell updates/sec
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/cgn2_6/ptodata/2/pna/US102A_COMB.seq
/cgn2_6/ptodata/2/pna/US102B_COMB.seq
GenCore version 5.1.6
Copyright (c) 1993 - 2003 Compugen Ltd.
                                                                                                            24791104 seqs, 12571243825 residues
                                                                            GCTCTAGAATGAACGGTGGAAGGCGGCAGG 30
                                                                                                                       Total number of hits satisfying chosen parameters:
                                                                                                                                                         Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries
                        nucleic'search, using sw model
                                                                                         IDENTITY NUC
Gapop 10.0 , Gapext 1.0
                                                               US-08-770-564A-8
30
                                                                                                                                     Minimum DB seq length: 0
Maximum DB seq length: 50
                                                                                                                                                                                                                                                               Scoring table:
                                                               Title:
Perfect score:
                         •
                        OM nucleic
                                                                             Sequence:
                                                                                                            Searched:
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ptodata/2/pna/US6004_COMB.seq:*
ptodata/2/pna/US6005_COMB.seq:*
ptodata/2/pna/US6006_COMB.seq:*
                                                         todata/2/pna/US6007_COMB.seg:*
todata/2/pna/US6008_COMB.seg:*
todata/2/pna/US6009_COMB.seg:*
                                                                                                                                                                                                                                                                                                                                                 COMB. seq: *
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                                                                                                                                                                                                                                       6/prodara/2/pna/US6016_COMB.se
6/prodara/2/pna/US6017_COMB.se
6/prodara/2/pna/US6019_COMB.se
6/prodara/2/pna/US6019_COMB.se
6/prodara/2/pna/US6020_COMB.se
                                                                                                                                         COMB
                                                                                                                      COMB.
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                                                                                                                                     /ptodata/2/pna/US6011_CC
/ptodata/2/pna/US6012_CC
/ptodata/2/pna/US6013_CC
/ptodata/2/pna/US6014_CC
/ptodata/2/pna/US6015_CC
                                                           ptodata/2/pna/US6007
ptodata/2/pna/US6008
                                                                                                                                                                                                                                                                                                                                                                                                                           ptodata/2/pna/US6025
ptodata/2/pna/US6026
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ptodata/2/pna/US6022
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No. is the number of results predicted by chance to have a greater than or equal to the score of the result being printed, a derived by analysis of the total score distribution. Pred. No. : score great and is der:

					SUMMARIES	
1						
No.	Score	Match	Watch Length DB	DB	ID	Description
1	30	100.0	30	-	PCT-US97-23619-8	Sequence 8, Appli
7	30	100.0	30	6	US-08-510-736-5	
m	30	100.0	30	Ξ	US-08-770-564A-8	Sequence 8, Appli
4	30	100.0	30	21	US-09-540-119B-10	10,
5	30	100.0	30	28	US-09-717-828A-5	Sequence 5, Appli
9	30	100.0	30	28	US-09-717-828B-5	Sequence 5, Appli
7	30	100.0	30	28	US-09-717-829A-5	Sequence 5, Appli
80	30	100.0	30	34	US-09-903-461-2	7
σ	23	76.7	27	-	PCT-US97-23619-26	Sequence 26, Appl
10	22	73.3	25	16	US-09-250-336A-4	Sequence 4, Appli
11	22	73.3	25	25	US-09-642-177-4	Sequence 4, Appli
12	22	73.3	56	-	PCT-US96-14679-27.	Sequence 27, Appl
13	22	73.3	26	н	PCT-US96-14679A-27	Sequence 27, Appl
14	22	73.3	26	-	PCT-US99-03302-4	Sequence 4, Appli
15	22	73.3	26	-	PCT-US99-07533-4	Sequence 4, Appli
16	22	73.3	26	-	PCT-US99-07533-4	Sequence 4, Appli
17	22	73.3	26	9	US-08-272-102-23	Sequence 23, Appl
18	22	73.3	26	7	US-08-387-524-19	Sequence 19, Appl
19	22	73.3	26	80	US-08-472-802A-24	Sequence 24, Appl
.50	22	73.3	26	œ	US-08-472-802B-24	Sequence 24, Appl

Sequence 23, Appl

US-08-482-115A-23

8 56

73.3

22

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30 base pairs
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US-08-510-736-5
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Sequence 9, Appli
Sequence 26, Appl
Sequence 312, App
Sequence 312, App
Sequence 9, Appli
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Appl
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Sequence 5, Appli
Sequence 598, App
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                                                                                                Sequence 23,
Sequence 312
Sequence 17,
                                                                                                                                                                        Sequence 598
Sequence 23,
Sequence 2,
                            Sequence 41,
Sequence 23,
Sequence 23,
     Sequence 19,
                                                                                                                                                                                                                                               Sequence
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              TITLE OF INVENTION: Methods for Detecting and Inhibiting the TITLE OF INVENTION: MAX Component of Telomerase NUMBER OF SEQUENCES: 29 CORRESPONDENCE ADDRESS: ADDRESSE: Townsend and Townsend and Crew LLP STREET: Two Embarcadero Center, Righth Floor CITY: San Francisco STATE: California
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           ZIP: 9411-3834

COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM FC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: PCT/US97/23619
FILING DATE: Not yet assigned
CLASSIFICATION:
                                           US-08-660-678-23
US-08-911-312-23
US-08-911-312-23
US-08-912-951-312
US-08-973-589-17
US-08-974-549-598
US-09-207-351-23
US-09-207-351-23
US-09-259-944-598
US-09-402-1818-598
US-09-403-503-598
US-09-403-503-598
US-09-890-567-9
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US-08-770-564A-9
     US-08-520-550-19
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GENERAL INFORMATION:
APPLICANT:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                STATE: CA
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PCT-US97-23619-8
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       APPLICANT
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                                                                                                                                                                                                                               Query Match
Best Local Similarity 100.0%; Pred. No. 0.011;
Matches 30; Conservative 0; Mismatches 0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          APPLICANT: Atkinson III, Edward M.
APPLICANT: Atkinson III, Edward M.
APPLICANT: Atkinson III, Edward M.
APPLICANT: Lichtsteiner, Serge
APPLICANT: Userciot, Alain P.
APPLICANT: Purzan, Ronald A.
TITLE OF INVENTION: Methods for Purifying Telomerase
NUMBER OF SEQUENCES: 11
CORRESPONDENCE ADDRESS:
ADDRESSEE: Townsend and Townsend and Crew
STREET: One Market Plaza, Steuart Tower, Suite 2000
CITY: San Francisco
STATE: California
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
COMPTRE: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.25
CURRENT APPLICATION DATE:
APPLICATION NUMBER: US/08/510,736
FILING DATE: 04-AUG-1995
CLLASSIPICATION: 435
ATTORNEY/AGENT INFORMATION:
NAME: Smith, William M.
REFERENCE/DOCKET NUMBER: 015389-001100
TELECOMMUTCATION INFORMATION:
TELECOMMUTCATION INFORMATION:
TELECOMMUTCATION INFORMATION:
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                                                                                                                 Sequence 5, Application US/08510736 GENERAL INFORMATION:
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TELEFAX: 415-326-2422
INFORMATION FOR SEQ ID NO:
SEQUENCE CHARACTERISTICS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Conservative
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: DNA
FEATURE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              LENGTH: 30 base pairs
TYPE: nucleic acid
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  ; TOPOLOGY: linear; MOLECULE TYPE: DNA US-08-510-736-5
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Best Local Similarity
Matches 30; Conserv
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OTHER INFORMATION: Biotin 5'-terminal OTHER INFORMATION: Description of Artificial Sequence: Affinity Agent
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        GENERAL INFORMATION:

APPLICANT: Weinfich, Scott L

APPLICANT: Weinfich, Scott L

APPLICANT: Atkinson III, Edward M

APPLICANT: Lichtsteiner, Serge P

APPLICANT: Vasserot, Allain P

APPLICANT: Vasserot, Allain P

APPLICANT: Vasserot, Allain P

APPLICANT: Vasserot, Allain P

APPLICANT: Vasserot, Mulain P

APPLICANT: Vasserot, Allain P

APPLICANT: PRUZER 1991-00-18

PRIOR APPLICATION NUMBER: 09/420,056

PRIOR FILING DATE: 1997-04-04

PRIOR FILING DATE: 1997-04-04

PRIOR FILING DATE: 1995-08-04

NUMBER OF SEQ ID NOS: 11

SOFTWARE: PatentIn Ver. 2.1 edited
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Query Match
100.0%; Score 30; DB 28;
Best Local Similarity 100.0%; Pred. No. 0.011;
Matches 30; Conservative 0; Mismatches 0;
                                                                                                                                                                    GENERAL INFORMATION:
GENERAL INFORMATION:
GENERAL INFORMATION:
APPLICANT: Weinrich, Scott L
APPLICANT: Atkinson III, Edward M
APPLICANT: Atkinson III, Edward M
APPLICANT: Ausseroch, Allain P
APPLICANT: Vasseroch, Allain P
APPLICANT: Pruzan, Ronald A
ITILE OF INVENTION: Purified Telomerase
FILE REFERENCE: Purified Telomerase
CURRENT APPLICATION NUMBER: US/09/11/828A
CURRENT APPLICATION NUMBER: 09/420,056
PRIOR APPLICATION NUMBER: 08/833,377
PRIOR FILING DATE: 1999-10-18
PRIOR FILING DATE: 1999-04
PRIOR FILING DATE: 1995-04
NUMBER OF SEQ ID NOS: 11
SOFTWARE: Patentin Ver. 2.1 (edited)
SOFTWARE: Patentin Ver. 2.1 (edited)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           1 GCTCTAGAATGAACGGTGGAAGGCGGCAGG 30
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ORGANISM: Artificial Sequence
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ORGANISM: Artificial Sequence
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  NAME/KEY: misc_feature
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        NAME/KEY: misc feature
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                                                                                                                                                      US-09-717-828A-5
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LENGTH: 30
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Best Local Similarity 100.0%; Pred. No. 0.011;
Matches 30; Conservative 0; Mismatches 0; Indels 0;
                                                                APPLICANT: Kealey, James T.
APPLICANT: Realey, James T.
APPLICANT: Pruzan, Ron
APPLICANT: Weintich, Scott L.
TITLE OF INVENTION: Inhibitory Polynucleotides Directed
TITLE OF INVENTION: Against the RNA Component of Telomerase
NUMBER OF SEQUENCES: 15
CORRESPONDENCE ADDRESS:
ADDRESSEE: Townsend and Townsend and CREW LLP
STREET: Two Embarcadero Center, 8th Floor
CITY: San Francisco
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Query Match
100.0%; Score 30; DB 11; Length 30;
Best Local Similarity 100.0%; Pred. No. 0.011;
Matches 30; Conservative 0; Mismatches 0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          APPLICANT: Gryaznov, Sergei
APPLICANT: Pruzan, Romald
APPLICANT: Pruzan, Romald
APPLICANT: Weinrich, Scott
IITLE OF INVENTION: Telomerase Inhibitor Polynucleotides
FILE REFERRACE: 029/001
CURRENT APPLICATION NUMBER: US/09/540,1198
CURRENT FILING DATE: 2000-03-31
                                                                                                                                                                                                                                                                                                                                                                                         COMPUTER READABLE FORM:
MEDIUM TYPE: Ploppy disk
COMPUTER: Ploppy disk
COMPUTER: PLOPPY disk
COMPUTER: TEM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/770,564A
FILLING DATE: 20-DEC-1996
CLASSIFICATION: 514
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               ATTORNEY AGENT INFORMATION:
NAME: Storella, John R.
REGISTRATION NUMBER: 32,944
REFERENCE/DOCKET NUMBER: 015389-002200US
TELEPHONE: 415-576-0200
TELEPHONE: 415-576-0300
INFORMATION FOR SEQ ID NO: 8:
SEQUENCE CHARACTERISTICS:
LENGTH: 30 base pairs
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          1 GCTCTAGAATGAACGGTGGAAGGCCGCCAGG 30
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            US-09-540-119B-10; Sequence 10, Application US/09540119B; GENERAL INFORMATION:
             Sequence 8, Application US/08770564A GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                NUMBER OF SEQ ID NOS: 25
SOFTWARE: Patentin version 3.1
SEQ ID NO 10
LENGTH: 30
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               TYPE: nucleic acid
STRANDEDNESS: single
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ORGANISM: Homo sapiens
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                                                                                                                                                                                                                                                                                                                                                                        USA
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                                                                                                                                                                                                                                                                                                                                                                        COUNTRY:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        셤
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Gaps

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Length 30; Indels

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; Score 30; DB 34; Length 30; pred. No. 0.011; 0; Mismatches 0; Indels

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1 GCTCTAGAATGAACGGTGGAAGGCGGCAGG 30
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                    , OTHER INFORMATION: synthetic oligomer
US-09-903-461-2
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          1 GCTCTAGAATGAACGGTGGAAGG 23
                                                                                         Query Match
Best Local Similarity 100.0%;
Matches 30; Conservative 0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       TYPE: nucleic acid
STRANDEDNESS: sing
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            NUMBER OF SEQUENCES:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Query Match
Best Local Similarity
Matches 23; Conserv
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            MOLECULE TYPE: DNA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           TITLE OF INVENTION:
TITLE OF INVENTION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                  APPLICANT
APPLICANT
FEATURE:
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| Sequence 2. Application US/09903461
| GENERAL INFORMATION:
| APPLICANT: Letsinger, Robert L.
| APPLICANT: Garimella, Viswanadham
| TITLE OF INVENTION: Method of Detection by Enhancement of Silver Staining
| FILE REFERENCE: 00-1086-A
| CURRENT APPLICATION NUMBER: US/09/903,461
| PRIOR APPLICATION NUMBER: 60/217,782
| PRIOR FILING DATE: 2000-07-11
| PRIOR FILING DATE: 2000-07-11
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OTHER INFORMATION: Description of Artificial Sequence: Affinity Agent
       .; LOCATION: (1)
.; OTHER INFORMATION: Biotin 5'-terminal
.; OTHER INFORMATION: Description of Artificial Sequence: Affinity Agent
US-09-717-8288-5
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                                                                                                                            Length 30;
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APPLICANT: Attinson III, Edward M
APPLICANT: Attinson III, Edward M
APPLICANT: Lichtsteiner, Serge P
APPLICANT: Lichtsteiner, Serge P
APPLICANT: Pruzan, Ronald A
TITLE OF INVENTION: A Method for Purifying Telomerase
FILE REFERENCE: PurifiedTelomeraseOllbase
CURRENT APPLICATION NUMBER: US/09/717,829A
CURRENT FILING DATE: 2000-11-20
PRIOR PELICATION NUMBER: 09/420,056
PRIOR FILING DATE: 1999-10-18
PRIOR PELICATION NUMBER: 09/833,377
                                                                                                                            DB 28
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                                                                                                                          Query Match
100.0%; Score 30; DE
Best Local Similarity 100.0%; Pred. No. 0.0
Matches 30; Conservative 0; Mismatches
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                                                                                                                                                                                                                                                         PRIOR FILING DATE: 1997-04-04
PRIOR APPLICATION NUMBER: 08/510,736
PRIOR FILING DATE: 1995-08-04
SOFTWARE: PATENTIN VET: 2.1 edited
                                                                                                                                                                                                                                                                                                                                                                                                   Application US/09717829A
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ORGANISM: Artificial Sequence
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SOFTWARE: Microsoft Word 98.
SEQ ID NO 2
LENGTH: 30
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LENGTH: 30
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Gaps
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                                                                                                                                                         Methods for Detecting and Inhibiting the RNA Component of Telomerase
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                                                                                                                                                                                                                                                                                                                                            ZIP. 34111-3834
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: PCT/US97/23619
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    NAME/KEY: -
1. LOCATION: 1..27
OTHER INFORMATION: /note= "hTR reverse primer"
PCT-US97-23619-26
                                                                                                                                                                                                                                            E: Townsend and Townsend and Crew LLP
Two Embarcadero Center, Eighth Floor
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 76.7%; Score 23; DB 1;
ilarity 100.0%; Pred. No. 13;
Conservative 0; Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/770,564
FILING DATE: 20-DEC-1996
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/770,565
FILING DATE: 20-DEC-1996
ATTORNEY/AGENT INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                            FILING DATE: Not yet assigned CLASSIFICATION:
Sequence 26, Application PC/TUS9723619 GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               NAME: Storella, John R. REGISTRATION NUMBER: 32,944 REFERENCE/DOCKET NUMBER: 15
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          TELECOMMUNICATION INFORMATION TELEPHONE: (415) 576-0200
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             INFORMATION FOR SEQ ID NO: 26: SEQUENCE CHARACTERISTICS:
                                                                                                                                                                                                                           CORRESPONDENCE ADDRESS:
ADDRESSEE: Townsend and
                                                                                                                                                                                                                                                           STREET: TWO BULLOCITY: San Francisco
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Sequence 27, Application PC/TUS9614679
GENERAL INFORMATION:
APPLICANT: VILLEPONTEAU, BRYANT
APPLICANT: FENG, JUNLI
APPLICANT: ANDREWS, WILLIAM H.
APPLICANT: ADAMS, ROBERT R.
TITLE OF INVENTION: METHODS AND REAGENTS FOR REGULATING
TITLE OF INVENTION: TELOMERE LENGTH AND TELOMERASE ACTIVITY
NUMBER OF SEQUENCES:
ADDRESSE: GERON CORPORATION
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           STATE: CALIFORNIA
COUNTRY: U.S.A.
ZIP: 94025
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC Compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: PCT/US96/14679
FILING DATE: 13-SEP-1996
CLASSIFICATION:
ATTORNEY/AGENT INFORMATION:
NAME: KASTER ESO., KEVIN R.
REGISTRATION NUMBER: 32,704
REFERENCE/DOCKET NUMBER: 012/045PCT
TELECOMMUNICATION INFORMATION:
MET DELICOMMUNICATION INFORMATION:
MET DELICOMMUNICATION INFORMATION:
MET DELICOMMUNICATION INFORMATION:
4 GCTCTAGAATGAACGGTGGAAG 25
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STREET: 200 CONSTITUTION DRIVE
CITY: MENLO PARK
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STREET: 200 CONSTITUTION DRIVE
CITY: MENLO PARK
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   TELEFAX: (415)473-7750
INFORMATION FOR SEQ ID NO:
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Best Local Similarity 100.C
Marches 22; Conservative
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LENGTH: 26 base pairs
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STRANDEDNESS: single
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PCT-US96-14679A-27
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                                                                                                                                                                                                                                                             APPLICANT: STROWEL, Jeffrey W.
APPLICANT: STROWEL, Judith
APPLICANT: STROWEL, Judith
APPLICANT: ABRUZZO, Lynne W.
APPLICANT: HIGHSWATH, Edward
APPLICANT: HIGHSWATH, Edward
TITLE OF INVENTION: TELOMERASE ASSAY OF BODY FLUIDS FOR CANCER SCREENING
TITLE OF INVENTION: AND ASSESSMENT OF DISEASE STAGE AND PROGNOSIS
TITLE OF INVENTION: AND ASSESSMENT OF DISEASE STAGE AND PROGNOSIS
FILE REPERENCE: 10460-4 (210460.0004)
CURRENT APPLICATION NUMBER: US 60/074,793
PRIOR PILING DATE: 1999-02-16
PRIOR FILING DATE: 1999-02-16
NUMBER OF SEQ ID NOS: 4
SOFTWARE: PATENTIN Ver. 2.1
LENGTH: 25
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APPLICANT: STROVEL, Judith
APPLICANT: STROVEL, Judith
APPLICANT: ABRUZZO, Lynne V.
APPLICANT: HIGHSMITH, Edward
TITLE OF INVENTION: TELOMERASE ASSAY OF BODY FLUIDS
FILE REPERENCE: 10460-411 (210460.0019)
CURRENT APPLICATION NUMBER: US/09/642,177
CURRENT FILING DATE: 2000-08-18
FRIOR FILING DATE: 1998-02-16
FRIOR PELLING DATE: 1998-02-16
FRIOR APPLICATION NUMBER: US 09/250,336
FRIOR PILING DATE: 1999-02-16
FRIOR APPLICATION NUMBER: PCT/US99/03302
FRIOR FILING DATE: 1999-02-16
FRIOR FILING DATE: 1999-02-16
FRIOR FILING DATE: 1999-02-16
FRIOR APPLICATION NUMBER: PCT/US99/03302
FRIOR FILING DATE: 1999-02-16
FRIOR APPLICATION NUMBER: PCT/US99/03302
FRIOR FILING DATE: 1999-02-16
FRIOR FILING DATE: 1999-02-16
FRIOR APPLICATION NUMBER: PCT/US99/03302
FRIOR FILING DATE: 1999-02-16
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                TYPE: DNA
ORGANISM: Artificial Sequence
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Best Local Similarity 100.0
Matches 22; Conservative
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                                                                                                                                                                 US-09-250-336A-4
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GENERAL INFORMATION:
APPLICANT: VILLEPONTEAU, BRYANT
APPLICANT: FENG, JUNLI
APPLICANT: ADAMS, WILLIAM H.
APPLICANT: ADAMS, ROBERT R.
TITLE OF INVENTION: METHODS AND REAGENTS FOR RECULATING
TITLE OF INVENTION: TELOMERE LENGTH AND TELOMERASE ACTIVITY
NUMBER OF SEQUENCES: 27
CORRESPONDENCE ADDRESS:
73.3%; Score 22; DB 1; Length 26; 100.0%; Pred. No. 35; tive 0; Mismatches 0; Indels
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Search completed: June 25, 2003, 06:20:26 Job time: 2547.19 secs
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APPLICANT: Strovel, Judith
APPLICANT: Stramberg, Judith
APPLICANT: Stramberg, Judith
APPLICANT: Abruzzo, Lynne V
APPLICANT: Highmaith, Edward
TITLE OF INVENTION: The Jenemerase Assay of Body Fluids for Cancer Screening
TITLE OF INVENTION: The Jenemerase Assay of Body Fluids for Cancer Screening
TITLE OF INVENTION: and Assessment of Disease Stage and Prognosis
TITLE OF INVENTION: and Assessment of Disease Stage and Prognosis
CURRENT APPLICATION NUMBER: 60/074,793
EARLIER APPLICANTION NUMBER: 60/074,793
EARLIER FILING DATE: 1998-02-16
NUMBER OF SEQ ID NOS: 4
SOFTWARE: Patentin Ver. 2.0
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; OTHER INFORMATION: Description of Artificial Sequence: R3c,
; OTHER INFORMATION: synthesized, Gibco-BRL
PCT-US99-03302-4
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COMPUTER FRADABLE FORM:

MEDIUM TYPE: Floppy disk

MEDIUM TYPE: Floppy disk

COMBUTER: IBM PC Compatible

OPERATING SYSTEM: PC-DOS/MS-DOS

SOFTWARE: PatentIn Release #1.0, Version #1.30

CURRENT APPLICATION DATA:

APPLICATION NUMBER: PCT/US96/14679A

FILING DATE: 13-SEP-1996

CLASSIFICATION:

NAME: KASTER ESQ., KEVIN R.

REGISTRATION:

NAME: (ASTER ESQ., KEVIN R.

REGISTRATION NUMBER: 012/045PCT

TELECOMMUNICATION INFORMATION:

TELEFONE: (415) 473-779

TELEFONE: (415) 473-779

TELEFONE: (415) 473-775

TELEFONE: (515) 473-775
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     DB 1;
. 35;
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Pred. No.
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100.0%; Pre
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; MOLECULE TYPE: DNA (genomic)
PCT-US96-14679A-27
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Best Local Similarity 100.
Matches 22; Conservative
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PCT-US99-03302-4
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; Sequence 4, Application PC/TUS9907533

RESULT 15 PCT-US99-07533-4

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Gaps
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APPLICANT: THE JOHNS HOPKINS UNIVERSITY SCHOOL OF MEDICINE TITLE OF INVENTION: TELOMERASE-ASSOCIATED PROTEINS FILE REFERENCE: 07265/157W01 CURRENT APPLICATION NUMBER: PCT/US99/07533 CURRENT APPLICATION NUMBER: PCT/US99/07533 EARLIER FILING DATE: 1999-04-06 BARLIER FILING DATE: 1998-04-06 NUMBER OF SEQ ID NOS: 15 SOFTWARE: FastSEQ for Windows Version 3.0 LENGTH: 26
                                                                                                                                                                                                                                                                                                                                                                                                              Length 26;
                                                                                                                                                                                                                                                                                                                                                                                                                                                          0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                 Query Match 73.3%; Score 22; DB Best Local Similarity 100.0%; Pred. No. 35; Matches 22; Conservative 0; Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            1 GCTCTAGAATGAACGGTGGAAG 22
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                                                                                                                                                                                                                                                                                                 ORGANISM: Artificial Sequence FEATURE:
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June 25, 2003, 13:28:55 ; Search time 716.653 Seconds (without alignments) 292.710 Million cell updates/sec
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cgn2_6/ptodata/1/pna/US60_NEW_COMB.seq3:*
/cgn2_6/ptodata/1/pna/US60_NEW_COMB.seq3:*
/cgn2_6/ptodata/1/pna/US60_NEW_COMB.seq3:*
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prodata/1/pna/USO9_NEW_COMB.seq2:
prodata/1/pna/USO9_NEW_COMB.seq3:
prodata/1/pna/US10 NEW_COMB.seq3:
GenCore version 5.1.6
Copyright (c) 1993 - 2003 Compugen Ltd.
                                                                                                                                                                                                                                                                                   1 GCTCTAGAATGAACGGTGGAAGGCGGCAGG 30
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Maximum Match 100%
Listing first 45 summaries
                                                                                       OM nucleic - nucleic search, using sw model
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Gapop 10.0 , Gapext 1.0
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1: /cgn2_6/ptodat

2: /cgn2_6/ptodat

3: /cgn2_6/ptodat

4: /cgn2_6/ptodat
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30
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Maximum DB seq length: 50
                                                                                                                                                                                                                                    Title:
Perfect score:
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                                                                                                                                                                                                                                                                                                                                                                                                         Searched:
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                                                                                                                                         Run on:
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No
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	Description	Sequence 5, Appli	520,			Sequence 598, App	23,	587,	521,	592,	14,	Sequence 257, App	278,	Sequence 538, App	539, A	Sequence 542, App	Sequence 543, App	Sequence 546, App	Sequence 547, App	550,
SUMMARIES	ID	US-10-330-872-5	PCT-US03-04088-520	PCT-US03-04088-529	US-09-721-456-598	US-10-325-810-598	US-10-359-935-23	PCT-US03-04088-587	PCT-US03-04088-521	PCT-US03-04088-592	PCT-US03-04088-14	PCT-US03-04088-257	PCT-US03-04088-278	PCT-US03-04088-538	PCT-US03-04088-539	PCT-US03-04088-542	PCT-US03-04088-543	PCT-US03-04088-546	PCT-US03-04088-547	PCT-US03-04088-550
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	Query Match Length	30	23	23	26	26	26	21	23	21	19	19	19	21	21	21	21	21	21	21
æ	Query	100.0	76.7	73.3	73.3	73.3	73.3	70.0	70.0	66.7	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3
	Score	30	23	22	22	22	22	21	21	20	19	19	19	19	19	19	19	19	19	19
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Sequence 551, App	Sequence 554, App	Sequence 555, App	Sequence 558, App	Sequence 559, App	ë	Sequence 543, App	Sequence 543, App	Sequence 381773,	Sequence 119888,	Sequence 121065,	Sequence 121066,	Sequence 106304,	Sequence 751232,	Sequence 31, Appl	Sequence 31, Appl	Sequence 52770, A	Sequence 483204,	Sequence 775297,	Sequence 775298,	Sequence 738286,	Sequence 881, App	Sequence 5782, Ap	Sequence 906233,	Sequence 906236,
1 PCT-US03-04088-551	1 PCT-US03-04088-554	1 PCT-US03-04088-555	1 PCT-US03-04088-558	1 PCT-US03-04088-559	12 US-60-432-699-268	6 US-09-721-456-543	9 US-10-325-810-543	9 US-10-355-577-381773	12 US-60-427-836-119888	12 US-60-417-190-121065	12 US-60-417-190-121066	13 US-60-470-475-106304	9 US-10-355-577-751232	9 US-10-213-926-31	10 US-10-340-139-31	7 US-09-954-445A-52770	12 US-60-427-808-483204	9 US-10-355-577-775297	9 US-10-355-577-775298	12 US-60-427-808-738286	1 PCT-US03-13015-881	9 US-10-325-899-5782	9 US-10-355-577-906233	9 US-10-355-577-906236
21	21	21	21	21	38	18	18	25	25	25	25	22	25	30	30	25	25	22	25	52	20	20	25	25
19 63.3	19 63.3	19 63.3	19 63.3	19 63.3	16.8 56.0	16.4 54.7	16.4 54.7		16.2 54.0	16 53.3	16 53.3	16 53.3			15.8 52.7		15.6 52.0	15.4 51.3	_	٥,	15.2 50.7	15.2 50.7	15 50.0	15 50.0
21	c 22	c 23	24	25	56	27	28	29	30	c :31	c 35	c 33	34	35	36	C 37	c 38	39	40	c 41	c 42	c 43	C 44	c 45

ALIGNMENTS

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GENERAL INFORMATION:
APPLICANT: Geron Corporation
APPLICANT: Weinrich, Scott
APPLICANT: Atkinson III, Edward
APPLICANT: Lichtsteiner, Serge
APPLICANT: Lichtsteiner, Serge
APPLICANT: Pruzan, Ronald
TITLE OF INVENTION: Using Purified Telomerase to Identify Telomerase Activators and
TITLE OF INVENTION: Inhibitors
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Gaps
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100.0%; Score 30; DB 10;
Best Local Similarity 100.0%; Pred. No. 0.0019;
Matches 30; Conservative 0; Mismatches 0;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        1 GCTCTAGAATGAACGGTGGAAGGCGGCAGG 30
                                                                                                                                                                                                                                                FILE REFERENCE: 011/006C

CURRENT APPLICATION NUMBER: US/10/330,872

CURRENT FELIGATION NUMBER: US/10/330,872

CURRENT FILING DATE: 2002-12-24

PRIOR APPLICATION NUMBER: 08/833,377

PRIOR FILING DATE: 1995-04-04

PRIOR FILING DATE: 1997-04-04

PRIOR PLING DATE: 1999-101-18

PRIOR PLING DATE: 1999-101-18

PRIOR APPLICATION NUMBER: 09/17,828

PRIOR APPLICATION NUMBER: 09/17,828
Application US/10330872
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        NUMBER OF SEQ ID NOS: 11
SOFTWARE: PatentIn version 3.1
SEQ ID NO 5
LENGTH: 30
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             TYPE: DNA
ORGANISM: Homo sapiens
US-10-330-872-5
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RESULT 2 US-10-330-872A-5 ; Sequence 5, Application US/10330872A

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FRATURE:
OTHER INFORMATION: Description of Artificial Sequence: Target sequence/siNA sense
OTHER INFORMATION: region
PCT-US03-04088-529
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    GENERAL INFORMATION:
APPLICANT: Ribozyme Pharmaccuticals, Inc.
APPLICANT: Ribozyme Pharmaccuticals, Inc.
APPLICANT: Ribozyme Pharmaccuticals, Inc.
APPLICANT: Beigelman, Leonid
TITLE OF INVENTION: RNA Interference Mediated Inhibition of Telomerase Gene
TITLE OF INVENTION: RNA Interference Mediated Inhibition of Telomerase Gene
TITLE REFERENCE: 02-708-A (400/080)
FILE REFERENCE: 02-708-A (400/080)
FILE REFERENCE: 02-708-A (400/080)
FRICK PRILING DATE: 2003-04-28
PRIOR FILING DATE: 2003-07-17
PRIOR FILING DATE: 2002-05-20
PRIOR FILING DATE: 2002-05-20
PRIOR FILING DATE: 2002-06-20
PRIOR FILING DATE: 2002-06-30
PRIOR FILING DATE: 2002-09-30
PRIOR PAPLICATION NUMBER: US 60/440,129
PRIOR PRILING DATE: 2002-09-30
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TITLE OF INVENTION: Human Telomerase Catalytic Subunit NUMBER OF SEQUENCES: 727
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Length 23
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                                                                                            DB 1; Length 23;
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                                                                                            16.7%; Score 23; DB ilarity 100.0%; Pred. No. 2.4 Conservative 0; Mismatches
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                                                                                                                                                                                                                                                                                                                                                                                                                                            CT-US03-04088-529/c
Sequence 529, Application PC/TUS0304088
GENERAL INFORMATION:
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GENERAL INFORMATION:
APPLICANT: Cech, Thomas R.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Query Match 73.3%; Sc
Best Local Similarity 100.0%; P:
Matches 22; Conservative 0;
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SOFTWARE: Patentin version 3.2
SEQ ID NO 529
OTHER INFORMATION: region
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     TYPE: RNA
ORGANISM: Artificial
                                                                                                    Query Match
Best Local Similarity
Matches 23; Conserv
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US-09-721-456-598
                         PCT-US03-04088-520
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                                                                                                                                       APPLICANT: ALCHESCENCY, Serge
APPLICANT: Useserot, Alain
APPLICANT: Vesserot, Alain
APPLICANT: Vesserot, Alain
APPLICANT: Pruzan, Ronald
TITLE OF INVENTION: Using Purified Telomerase to Identify Telomerase Activators and
TITLE OF INVENTION: Unhibitors
TITLE OF INVENTION: Unhibitors
TITLE OF INVENTION: Unhibitors
TITLE OF INVENTION: Unhibitors
TITLE OF INVENTION: UNHIBER: US/10/330,872A
CURRENT APPLICATION NUMBER: 08/530,736
PRIOR FILING DATE: 1995-08-04
PRIOR FILING DATE: 1997-04-04
PRIOR FILING DATE: 1999-10-18
PRIOR FILING DATE: 1999-10-18
PRIOR FILING DATE: 2000-11-20
NUMBER: OF SEQ ID NOS: 11
SOFTWARE: PatentIn version 3.1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              FRATURE: **STHER INFORMATION: Description of Artificial Sequence: Target sequence/sinA sense
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         APPLICANT: McSwiggen, James
APPLICANT: Batgelman, Leonid
TITLE OF INVENTION: RNA Interference Mediated Inhibition of Telomerase Gene
TITLE OF INVENTION: Expression Using Short Interfering RNA (siNA)
FILE REFERENCE: 02-708-A (400/080)
CURRENT APPLICATION NUMBER: PCT/US03/04088
CURRENT APPLICATION NUMBER: 2003-04-28
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0.0019;
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PRIOR APPLICATION NUMBER: US 60/396,600
PRIOR PILING DATE: 2002-07-17
PRIOR PILING DATE: 2002-02-20
PRIOR PILING DATE: 2002-02-20
PRIOR FILING DATE: 2002-03-11
PRIOR FILING DATE: 2002-03-11
PRIOR PILING DATE: 2002-03-11
PRIOR PILING DATE: 2002-06-06
PRIOR PILING DATE: 2002-06-08
PRIOR PILING DATE: 2002-06-08
PRIOR PILING DATE: 2002-09-09
PRIOR PILING DATE: 2003-09-09
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Score 30;
Pred. No.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         APPLICANT: Ribozyme Pharmaceuticals, Inc.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Sequence 520, Application PC/TUS0304088
GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Query Match
Best Local Similarity 100.0%;
Matches 30; Conservative 0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              TYPE: DNA ORGANISM: Homo sapiens
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              TYPE: RNA
ORGANISM: Artificial
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               -US03-04088-520/c
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STATE: California

COUNTRY: USA

ZIP: 94111-3834

COUNTRY: USA

ZIP: 94111-3834

COMPUTER READBALE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC Compatible
COMPUTER: BM PC Compatible
COMPUTER: BM PC Compatible
COMPUTER: Patentin Release #1.0, Version #1.30

CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/10/325,810

FILING DATE: 20-Bc-2002

CLASSIFICATION NUMBER: US/09/402,181

FILING DATE: 29-Sep-1997

APPLICATION NUMBER: US 08/724,643

FILING DATE: 18-APPLICATION NUMBER: US 08/844,419

FILING DATE: 18-APPLICATION NUMBER: US 08/844,419

FILING DATE: 25-APPL-1997

APPLICATION NUMBER: US 08/846,017
                                                                                                                                   Harley, Calvin B.
Andrews, William H.
TITLE OF INVENTON: Human Telomerase Catalytic Subunit
NUMBER OF SEQUENCES: 633
CORRESPONDENCE ADDRESS:
                                                                                                                                                                                                                                                                          ADDRESSEE: Townsend and Townsend and Crew LLP STREET: Two Embarcadero Center, Eighth Floor
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             APPLICATION NUMBER: US 08/911,312
PILING DATE: 14-AUG-1997
APPLICATION NUMBER: US 08/912,951
FILING DATE: 14-AUG-1997
APPLICATION NUMBER: US 08/915,503
FILING DATE: 14-AUG-1997
APPLICATION NUMBER: WO PCT/US97/17885
FILING DATE: 01-OCT-1997
ATTORNEY/AGENT INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       REFERENCE/DOCKET NUMBER: 015389-002620US TELECOMMUNICATION INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        ) CTHER INFORMATION: /note= "R3c primer"; SEQUENCE DESCRIPTION: SEQ ID NO: 598: US-10-325-810-598
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        APPLICATION NUMBER: US 08/851,843
FILING DATE: 06-MAY-1997
APPLICATION NUMBER: US 08/854,050
FILING DATE: 09-MAY-1997
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    NAME: Ausenhus, Scott L. REGISTRATION NUMBER: 42,271
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               TELEPHONE: (415) 576-0200
                                                             Nakamura, Toru
Chapman, Karen B.
     APPLICANT: Cech, Thomas R.
                                                                                                                  Morin, Gregg B.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    INFORMATION FOR SEQ ID NO: 598
                                                                                                                                                                                                                                                                                                                               CITY: San Francisco
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             SEQUENCE CHARACTERISTICS
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                                                                                                                                               COMPUTER READABLE FORM:

MEDIUM TYPE: Floppy disk

MEDIUM TYPE: PLOPPy disk

MEDIUM TYPE: PLOPPy disk

MEDIUM TYPE: PLOPPy disk

MEDIUM TYPE: PLOPPy disk

SOFTWARE: PATENT: PC-DOS/MS-DOS

CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/09/721,456

FILING DATE: 22-Nov-2000

CLASSIFICATION: CUNKNOWN>

PRIOR APPLICATION NUMBER: US/08/974,549A

FILING DATE: 19-NOV-1997

APPLICATION NUMBER: US 08/844,419

FILING DATE: 10-NOV-1997

APPLICATION NUMBER: US 08/846,017

FILING DATE: 25-APR-1997

APPLICATION NUMBER: US 08/846,017

FILING DATE: 05-APR-1997

APPLICATION NUMBER: US 08/846,017

FILING DATE: 06-MAY-1997

APPLICATION NUMBER: US 08/81,843

FILING DATE: 06-MAY-1997

APPLICATION NUMBER: US 08/814,050

FILING DATE: 07-MAY-1997

APPLICATION NUMBER: US 08/911,312

FILING DATE: 07-MAY-1997

APPLICATION NUMBER: US 08/911,312

FILING DATE: 07-MAY-1997

APPLICATION NUMBER: US 08/912,951
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Indels
CORRESPONDENCE ADDRESS:
ADDRESSEE: Townsend and Townsend and Crew LLP STREET: Two Embarcadero Center, Eighth Floor
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        REFERENCE/DOCKET NUMBER: 015389-002610US
TELECOMMUNICATION INFORMATION:
TELEPHONE: (415) 576-0200
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           ) OTHER INFORMATION: /note= "R3c primer" ; SEQUENCE DESCRIPTION: SEQ ID NO: 598: US-09-721-456-598
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        FILING DATE: 14-AUG-1997
APPLICATION NUMBER: WO PCT/US97/17618
FILING DATE: 01-OCT-1997
APPLICATION NUMBER: WO PCT/US97/17885
FILING DATE: 01-OCT-1997
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         6.8;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   FILING DATE: 14-AUG-1997
APPLICATION NUMBER: US 08/915,503
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        NAME: Apple, Randolph Ted
REGISTRATION NUMBER: 36,429
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  1 GCTCTAGAATGAACGGTGGAAG 22
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            TELEFAX: (415) 576-0300
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  ATTORNEY/AGENT INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         STRAINESS: single
STRAINESS: single
TOPOLOGY: linear
MOLECULE TYPE: DNA
FEATURE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           INFORMATION FOR SEQ ID NO: 598
                                                                                    CITY: San Francisco
STATE: California
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    SEQUENCE CHARACTERISTICS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             NAMB/KEY:
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ö Gaps ö Query Match 73.3%; Score 22; DB 9; Length 26; Best Local Similarity 100.0%; Pred. No. 6.8; Matches 22; Conservative 0; Mismatches 0; Indels 1 GCTCTAGAATGAACGGTGGAAG 22

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; Sequence 598, Application US/10325810

US-10-325-810-598

GENERAL INFORMATION:

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NUMBER OF SEQ ID NOS: 626
SOFTWARE: PatentIn version 3.2
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ORGANISM: Artificial
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           SEQ ID NO 521
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      LENGTH
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APPLICANT: McSwiggen, James
APPLICANT: Beigelman, Leone
APPLICANT: Beigelman, Leone
TITLE OF INVENTION: ENA Interference Mediated Inhibition of Telomerase Gene
TATLE OF INVENTION: Expression Using Short Interfering RNA ($1NA)
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COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
FILING DATE: 07-Peb-2003
CLASSIPICATION: 435
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Length 26;
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                                                                                                                                                                                                                                                                                                                          ADDRESSEE: Townsend and Townsend and Crew LLP STREET: Two Embarcadero Center, Eighth Floor
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         ATTORNEY/AGENT INFORMATION:
NAME: SCOTOLIA, John R.
REMESTRATION NUMBER: 32,944
REFERENCE/DOCKET NUMBER: 015389-000821US
                                                                                                                                                                                   Feng, Junli
Funk, Walter
Andrews, William H.
TITLE OF INVENTION: Mammalian Telomerase
NUMBER OF SEQUENCES: 42
CORRESPONDENCE ADDRESS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           0; Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     PRIOR APPLICATION DATA:
APPLICATION NUMBER: US/09/057,351
FILING DATE: 08-2PR-1994
APPLICATION NUMBER: US 08/272,102
FILING DATE: 07-UUL-1994
APPLICATION NUMBER: US 08/330,123
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             FILING DATE: 27-OCT-1994
APPLICATION NUMBER: US 08/472,802
FILING DATE: 07-JUN-1995
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              MOLECULE TYPE: DNA SEQUENCE DESCRIPTION: SEQ ID NO: 23: US-10-359-935-23
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Query Match 73.3%; Score 22; Best Local Similarity 100.0%; Pred. No. Matches 22; Conservative 0; Mismatch
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      PCT-US03-04088-587/c; Sequence 587, Application PC/TUS0304088; GENERAL INFORMATION:
                                                                                                            Sequence 23, Application US/10359935
GENERAL INFORMATION:
APPLICANT: Villeponteau, Bryant
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  5 GCTCTAGAATGAACGCTGGAAG 26
5 GCTCTAGAATGAACGGTGGAAG 26
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             TELECOMMUNICATION INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    SEQUENCE CHARACTERISTICS:
LENGTH: 26 base pairs
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              INFORMATION FOR SEQ ID NO: 23
                                                                                                                                                                                                                                                                                                                                                                      CITY: San Francisco
STATE: California
COUNTRY: USA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     FELEPHONE:
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                                                                                           US-10-359-935-23
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                                                                        RESULT 7
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; OTHER INFORMATION: Description of Artificial Sequence: Target sequence/sinA sense; OTHER INFORMATION: region
PCT-US03-04088-587
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APPLICANT: Ribozyme Pharmaceuticals, Inc.
APPLICANT: Roswiggen, James
APPLICANT: Beigelman, Leonid
APPLICANT: Beigelman, Leonid
TITLE OF INVENTION: Expression Using Short Interfering RNA (siNA)
TITLE OF INVENTION: Expression Using Short Interfering RNA (siNA)
TITLE OF INVENTION: Expression Using Short Interfering RNA (siNA)
TITLE OF INVENTION: Expression Using Short Interfering RNA (siNA)
TITLE OF INVENTION: Expression Using Short Interfering RNA (siNA)
TITLE OF INVENTION: Expression Using Short Interfering RNA (siNA)
FRICA FILING DATE: 2003-04-28
FRIOR APPLICATION NUMBER: US 60/359,124
FRIOR APPLICATION NUMBER: US 60/363,124
FRIOR APPLICATION NUMBER: US 60/406,784
FRIOR FILING DATE: 2002-06-06
FRIOR FILING DATE: 2002-06-06
FRIOR APPLICATION NUMBER: US 60/408,378
FRIOR FILING DATE: 2002-09-09
FRIOR FILING DATE: 2002-09-09
FRIOR FILING DATE: 2002-09-09
FRIOR APPLICATION NUMBER: US 60/408,378
FRIOR APPLICATION NUMBER: US 60/408,293
FRIOR APPLICATION NUMBER: US 60/440,129
FRIOR APPLICATION NUMBER: US 60/440,129
FRIOR APPLICATION NUMBER: US 60/440,129
FRIOR FILING DATE: 2003-01-15
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Pred. No. 19;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Mismatches
                                                   PRIOR APPLICATION NUMBER: US 60/396,600
PRIOR FILING DATE: 2002-07-17
PRIOR APPLICATION NUMBER: US 60/359,580
PRIOR FILING DATE: 2002-02-20
PRIOR APPLICATION NUMBER: US 60/363,124
PRIOR PILING DATE: 2002-03-11
PRIOR PELING DATE: 2002-06-06
PRIOR PILING DATE: 2002-06-06
PRIOR PILING DATE: 2002-06-06
PRIOR FILING DATE: 2002-06-06
PRIOR FILING DATE: 2002-06-07
US03/04088
                                                                                                                                                                                                                                                                                                                                                    PRIOR FILING DATE: 2002-08-29
PRIOR APPLICATION NUMBER: US 60/408,378
PRIOR FILING DATE: 2002-09-05
PRIOR FILING DATE: 2002-09-05
PRIOR FILING DATE: 2002-09-09
PRIOR FILING DATE: 2002-09-09
PRIOR FILING DATE: 2003-01-15
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Sequence 521, Application PC/TUS0304088
GENERAL INFORMATION:
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          21 ATGAACGGTGGAAGGCGGCAG 1
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Best Local Similarity 100.0%; P.
Matches 21; Conservative 0;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              NUMBER OF SEQ ID NOS: 626
SOFTWARE: PatentIn version 3.2
SEQ ID NO 587
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         TYPE: RNA
ORGANISM: Artificial
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PRIOR APPLICATION NUMBER: US 6/396,600
PRIOR FILING DATE: 2002-07-17
PRIOR APPLICATION NUMBER: US 60/358,580
PRIOR PILING DATE: 2002-02-20
PRIOR PILING DATE: 2002-03-11
PRIOR PILING DATE: 2002-06-06
PRIOR PPLICATION NUMBER: US 60/386,782
PRIOR PLING DATE: 2002-06-06
PRIOR PLING DATE: 2002-06-06
PRIOR PLING DATE: 2002-09-05
PRIOR PLING DATE: 2002-09-05
PRIOR PELING DATE: 2002-09-05
PRIOR PELING DATE: 2002-09-05
PRIOR PLING DATE: 2002-09-09
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Sequence 257, Application PC/TUS0304088
GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     9 ATGAACGGTGGAAGGCGGC 27
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        19 ATGAACGGTGGAAGGCGGC 1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       NUMBER OF SEQ ID NOS: 626
SOFTWARE: PatentIn version 3.2
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    SOFTWARE: Patentin version 3.2 SEQ ID NO 257
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            19; Conservative
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Query Match
Best Local Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   TYPE: RNA
ORGANISM: Artificial
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  TYPE: RNA
ORGANISM: Artificial
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    PCT-US03-04088-14
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             SEQ ID NO 14
LENGTH: 19
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OTHER INFORMATION: Description of Artificial Sequence: Target sequence/sinA sense OTHER INFORMATION: region
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               GENERAL INFORMATION:
APPLICANT: Ribozyme Pharmaceuticals, Inc.
APPLICANT: Ribozyme Pharmaceuticals, Inc.
APPLICANT: Ribozyme Pharmaceuticals, Inc.
APPLICANT: Beigelman, Leonid
ITTLE OF INVENTION: RNA Interference Mediated Inhibition of Telomerase Gene
ITTLE OF INVENTION: Expression Using Short Interfering RNA (sinA)
ITTLE OF INVENTION: Expression Using Short Interfering RNA (sinA)
ITTLE OF INVENTION: Expression Using Short Interfering RNA (sinA)
ITTLE OF INVENTION: Expression Using Short
ITTLE OF INVENTION NUMBER: US 60/396,600
FRICH FILING DATE: 2002-07-17
FRICH FILING DATE: 2002-07-17
FRICH FILING DATE: 2002-03-01
FRICH FILING DATE: 2002-03-01
FRICH FILING DATE: 2002-03-01
FRICH FILING DATE: 2002-06-05
FRICH RIPLING DATE: 2002-06-05
FRICH RIPLING DATE: 2002-09-05
FRICH FILING DATE: 2002-09-09
FRICH FILI
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   ; OTHER INFORMATION: Description of Artificial Sequence: Target sequence/siNA; OTHER INFORMATION: antisense region
PCT-US03-04088-592
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GENERAL INFORMATION:
APPLICANT: Ribozyme Pharmaceuticals, Inc.
APPLICANT: Beigelman, Leonid
TITLE OF INVENTION: RNA Interference Mediated Inhibition of Telomerase Gene
TITLE OF INVENTION: Expression Using Short Interfering RNA (siNA)
FILE REPERENCE: 02-708-A (400/080)
                                                                                                                                                                                                                         Gaps
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                                                                                                                                           Query Match 70.0%; Score 21; DB Best Local Similarity 100.0%; Pred. No. 19; Matches 21; Conservative 0; Mismatches
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1; Mismatches
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Best Local Similarity 95.0%; Pred. No.
Matches 19; Conservative 1; Mismatc
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Sequence 592, Application PC/TUS0304088 GENERAL INFORMATION:
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FEATURE: OTHER INFORMATION: Description of Artificial Sequence: Target sequence/sinA sense
         Target sequence/siNA sense
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APPLICANT: Ribozyme Pharmaceuticals, Inc.

APPLICANT: Rowiggen, James

APPLICANT: Beigelman, Leonid

TITLE OF INVENTION: Expression Using Short Interfering RNA (siNA)

TITLE OF INVENTION: Expression Using Short Interfering RNA (siNA)

TITLE OF INVENTION: Expression Using Short Interfering RNA (siNA)

TITLE OF INVENTION: Expression Using Short Interfering RNA (siNA)

TITLE OF INVENTION: Expression Using Short Interfering RNA (siNA)

TITLE OF INVENTION: Expression Using Short Interfering RNA (siNA)

TITLE OF INVENTION: Expression Using Short Interfering RNA (siNA)

FRICK FILING DATE: 2002-00-20

PRIOR APPLICATION NUMBER: US 60/363,124

PRIOR FILING DATE: 2002-00-31

PRIOR FILING DATE: 2002-00-31

PRIOR FILING DATE: 2002-00-30

PRIOR FILING DATE: 2002-00-60

PRIOR FILING DATE: 2002-00-60

PRIOR FILING DATE: 2002-00-00

PRIOR FILING DATE: 2002-00-00
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OTHER INFORMATION: Description of Artificial Sequence: OTHER INFORMATION: region
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APPLICANT: Beigelman, Leonid
TITLE OF INVENTION: RNA Interference Mediated Inhibition of Telomerase Gene
TITLE OF INVENTION: Expression Using Short Interfering RNA (sinA)
FILE REPERENCE: 02-708-A (400/080)
CURRENT APPLICATION NUMBER: PCT/US03/04088
CURRENT FILING DATE: 2003-04-28
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PCT-US03-04088-278
                                                                              Gaps
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                                          Ouery Match 63.3%; Score 19; DB 1; Length 19; Best Local Similarity 100.0%; Pred. No. 1.4e+02; Matches 19; Conservative 0; Mismatches 0; Indels
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Sequence 538, Application PC/TUS0304088
GENERAL INFORMATION:
APPLICANT: Ribozyme Pharmaceuticals, Inc.
                                                                                                                                                                                                                                                     APPLICANT: Ribozyme Pharmaceuticals, Inc.
APPLICANT: McSwiggen, James
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                                                                                                                                                                                                              Sequence 278, Application PC/TUS0304088
GENERAL INFORMATION:
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                                                                                                             11 GAACGGTGGAAGGCGGCAG 29
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Beigelman, Leonid
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; OTHER INFORMATION: region PCT-US03-04088-257
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ORGANISM: Artificial
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Matches 17; Conserv
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Sequence 539, Application PC/TUS0304088

Sequence 539, Application PC/TUS0304088

GENERAL INFORMATION:
APPLICANT: Ribozyme Pharmaceuticals, Inc.
APPLICANT: McSwiggen, James
APPLICANT: McSwiggen, James
TITLE OF INVENTION: RNA Interference Mediated Inhibition of Telomerase Gene
TITLE OF INVENTION: Expression Using Short Interfering RNA (siNA)
FILE REFERENCE: 02-708-A (400/080)
CURRENT FILING DATE: 2003-04-28
CURRENT APPLICATION NUMBER: US 60/396,600
PRIOR PILING DATE: 2002-07-17
PRIOR FILING DATE: 2002-03-11
PRIOR FILING DATE: 2002-03-11
PRIOR FILING DATE: 2002-06-06
PRIOR FILING DATE: 2002-06-06
PRIOR FILING DATE: 2002-09-05
PRIOR FILING DATE: 2002-09-05
PRIOR FILING DATE: 2002-09-05
PRIOR PILING DATE: 2002-09-05
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Pred. No. 1.5e+02;
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, OTHER INFORMATION: n stands for thymidine PCT-US03-04088-538
                          PRIOR FILING DATE: 2002-02-20
PRIOR APPLICATION NUMBER: US 60/363,124
PRIOR FILING DATE: 2002-03-11
PRIOR FILING DATE: 2002-03-11
PRIOR FILING DATE: 2002-06-06
PRIOR FILING DATE: 2002-08-29
PRIOR PLILING DATE: 2002-08-29
PRIOR PLILING DATE: 2002-09-05
PRIOR FILING DATE: 2002-09-05
PRIOR FILING DATE: 2002-09-05
PRIOR FILING DATE: 2002-09-09
PRIOR FILING DATE: 2003-01-15
NUMBER OF SEQ ID NOS: 626
SEQ ID NO 538
LENGTH: 21
US 60/358,580
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100.0%; Pre/
0; N
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SOFTWARE: Patentin version 3.2
SEQ ID NO 539
LENGTH: 21
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Matches 19; Conservative
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ORGANISM: Artificial
FEATURE:
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) OTHER INFORMATION: Description of Artificial Sequence: sinA sense region FEATURE:
| NAME/KEY: misc feature | LOCATION: (20) ... (21) | OTHER INFORMATION: n stands for thymidine | PCT-USO3-04088-539
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June 23, 2003, 01:05:28; Search time 232.59 Seconds (without alignments) 2502.502 Million cell updates/sec
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GenCore version 5.1.6
Copyright (c) 1993 - 2003 Compugen Ltd.
                                                                                                                                                            2054640 seqs, 14551402878 residues
                                                                                                                                                                                                 Total number of hits satisfying chosen parameters:
                                                                                                                                                                                                                                                   summaries
                                   nucleic search, using sw model
                                                                                                             1 CCAACTCTTCGCGGTGGCAG 20
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Gapop 60.0 , Gapext 60.0
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Perfect score:
                                                                                                                                Scoring table:
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                                   OM nucleic
                                                                                                                                                                                                                                                                    Database :
                                                                                                               Sequence:
                                                                                                                                                            Searched:
                                                      Run on:
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Pred. No. is the number of results predicted by chance to have a

1 (bases 1 to 20)
Kim,N.Woo., Wu,F., Kealey,J.T., Pruzan,R. and Weinrich,S.L.
Methods for detecting the RNA component of telomerase
Patent: US 5846722-A 7 08-DEC-1998;
Location/Qualifiers

PAT 29-SEP-1999

linear

DNA

AR063831 20 bp Sequence 7 from patent US 5846723.

GI:5993139

AR063831 AR063831.1

DEFINITION ACCESSION VERSION

RESULT 1 AR063831 LOCUS Unknown. Unclassified.

ORGANISM

KEYWORDS SOURCE REFERENCE AUTHORS TITLE JOURNAL FEATURES

Unknown.

ALIGNMENTS

AX294358 Sequence AX594843 Sequence AX563221 Sequence E22563 Process for E25721 Method for AB069038 Synthetic AX445639 Sequence AX115384 Sequence AX142066 Sequence 159933 Sequence 60 186791 Sequence 60 195816 Sequence 60 AX060321 Sequence AX068199 Sequence AX068203 Sequence AB069392 Synthetic AR056247 Sequence AR114005 Sequence AR008099 Sequence AX378621 Sequence D83300 Bovine DNA A30767 Artificial AR063930 Sequence AR068779 Sequence AX033200 Sequence AX350215 Sequence L24234 Dog (Clone: AR063831 Sequence AR063829 Sequence 128704 Sequence 7 AX109246 Sequence A30766 Artificial AR130983 Sequence AR139457 Sequence AX293905 Sequence Sequence AX399649 Sequence AX399650 Sequence AX253560 Sequence Sequence score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution. SUMMARIES AX109246 A30766 AB069392 A37934 AX363221 E22563 E25721 AB069038 AX033200 AX350215 DOGP34801 AR114005 AR008099 AR008099 BOVINE20 A30767 AR063130 AR063130 AR092381 AR139457 AR139457 AR29438 AX294438 AX115384 AR142066 I59933 186791 195816 AX060321 AX484473 AX068199 AR063831 AR063829 AX445639 AX068203 ΩI 80 Length Query Score 8

PAT 30-APR-2001

BASE COUNT

ORIGIN

Matches

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AB069392 20 bp DNA linear SYN 08-AUG-2001 Synthetic construct DNA, forward primer for human STS sts-stSG28879 at 1p36.
AB069392
                                                                                                                                    synthetic construct.
synthetic construct
artificial sequences.

I bases 1 to 26)
Deleersnijder,W., Berger,C., Loeken,C., Nys,G. and Venema,J. Human g-protein coupled receptor Patent: WO 0125269-A 13 12-APR-2001;
Solvay Pharmaceuticals B.V. (NL)
Location/Qualifiers
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Pred. No. 1.1e+04;
0; Mismatches 0;
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/organism="synthetic construct"
/db_xref="taxon:32630"
/db_11 c 4 g 3 t

    .26
    forganism="synthetic construct"
    xref="taxon:32630"
    /note="Degenerated primers"

            26 bp
Sequence 13 from Patent W00125269.
AX109246
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Location/Qualifiers
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Best Local Similarity 100.
Matches 12; Conservative
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AB069392/c
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AUTHORS
TITLE
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Unclassified.
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Beckmann,Watricia., Goodwin,R.G., Giri,J.G. and Armitage,R.J.
CD27 ligand
Patent: US 5573924-A 7 12-NOV-1996;
Location/Qualifiers
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1 (Dases 1 to 30)

Kim,N Woo., Wu,F., Kealey,J.T., Pruzan,R. and Weinrich
Kim,N Woo., Wu,F., Kealey,J.T., Pruzan,R. and Weinrich
Kim,N Woo., Wu,F., Kealey,J.T., Pruzan,R. and Weinrich
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Best Local Similarity 100.0%; Pred. No. 0.13;
Matches 20; Conservative 0; Mismatches 0; Indels
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Pred. No. 0.13;
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46 bp

2690ence 7 from patent US 5573924.

128704.1 GI:1819480
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Sequence 5 from patent US 5846723
AR063829
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12 c 14 g
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10 c 9 g
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/organism="unknown"
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1 Similarity 100.0%;
20; Conservative 0
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PAT 24-JUL-1996

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1 (bases 1 to 30)
Cummins,T.J., Atwood,S.Melissa., Bergmeyer,L., Findlay,J.Bruce.,
Sutherland,J.W.H. and Kerschner,J.H.
                                                                                                                                                                                                                                                                                                                                               Gaps
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/organism="synthetic construct"
/db_xref="taxon:32630"
/noTe="Computer Generated Probe Sequence."
8 C 6 g 6 t
                                                                                                                                                                                                                                                                                                          55.0%; Score 11; DB 6; Length 24; 100.0%; Pred. No. 4.5e+04; ive 0; Mismatches 0; Indels
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    /organism="synthetic construct"
    /db xref="taxon:32630"
    /note="Primer"

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Patent: WO 0216649-A 2094 28-FEB-2002;
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Sequence 60 from patent US 6174668.
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artificial sequences.
1 (bases 1 to 25)
Picoult-Newburg, L. and Pohl, M.
                                                                                                                                                                Illumina, Inc. (US)
Location/Qualifiers
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      AX445639
AX445639.1 GI:21692920
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                                                  synthetic construct.
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Chen, Y.Z., Hayashi, Y., Wu, J.G., Takaoka, E., Maekawa, K., Watanabe, N., Inazawa, J., Hosoda, F., Arai, Y., Mizushima, H., Morohashi, A., Ohira, M., Nakagawara, A., Liu, S., Hoshi, M., Horii, A. and Soeda, E.

A BAC-based STS-content map spanning a 35-Mb region of human chromosome 1p35-p36
                                                                                                                                                               Direct Submission
Submitted (04-AUG-2001) Akira Horii, Tohoku University School of
Medicine, Molecular Pathology; 2-1 Seiryomachi, Aoba-ku, Sendai,
Miyagi 980-8575, Japan (B-mail:horii@mail.cc.tohoku.ac.jp,
Tel:81-22-717-8042, Fax:81-22-717-8047)
Location/Qualifiers
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Varvill,K., Pickersgill,R.W., Gould,G.W., Goodenough,P.W. and Mosely,B.B.
ALTERATION OF POLYPEPTIDES
PATENT: WO 9408018-A 12 14-APR-1994;
UNILEVER PLC (GB)
Cher publication JP 8501939T 960305.
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/organism="synthetic construct"
/dD_xref="taxon:32630"
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Sequence 12 from Patent WO9408018.
A37934
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/db_xref="taxon:32644"
5 c 7 g
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Gaps

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Indels

PAT 01-DEC-1998

DNA

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synthetic construct.
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artificial sequences.
1 (bases 1 to 36)
Shimkets,R.A., Fernandes,E., Vernet,C., Yang,M., Boldog,F.L. and
                                                                                                                                                                                                                                                                     Unclassified.

Unclassified.

(bases 1 to 30)

(cumnins, T.J., Atwood, S.Melissa., Bergmeyer, L., Findlay, J.Bruce., Stutherland, J.W.H. and Kerschner, J.H.

Diagnostic compositions, elements, methods and test kits for Diagnostic compositions, elements, methods and test kits for amplification and detection of two or more DNA's using primers having matched melting temperatures

Patent: US 5733751-A 60 31-MAR-1998;

Location/Qualifiers
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Secreted polypeptides and corresponding polynucleotides Patent: WO 0078802-A 29 28-DEC-2000; Curagen Corporation (US) Location/Qualifiers
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Best Local Similarity 100.0%; Pred. No. 4.5e+04;
Matches 11; Conservative 0; Mismatches 0;
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/db_xref="taxon:32630"
/note="chemically synthesized"
/ 12 c 12 g 5 t
                                                                                                                                                           30 bp L
Sequence 60 from patent US 5733751.
195816
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Sequence 29 from Patent WO0078802.
AX060321
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14 c 7 g
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                         1 (bases 1 to 30)
Cummins, T.J., Atwood, S.Melissa., Bergmeyer, L., Findlay, J.Bruce., Sutherland, J.W. and Kerschner, J.H.
Diagnostic primers and probes
Patent: US 5654416-A 60 05-AUG-1997;
Location/Qualifiers
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       The fast of the following of the following for the following for amplification and detections of two or more DNA's using primers having matched melting temperatures having matched melting temperatures having by 30-DEC-1997; Location/Qualifiers
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Gaps
     Diagnostic compositions, elements, methods and test kits for amplification and detection of two or more target DNA's using primers having matched melting temperatures
Patent: US 6174668-A 60 16-JAN-2001;
Location/Qualifiers
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Matches 11; Conservative 0; Mismatches 0; Indels
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100.0%; Pred. No. ...
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Sequence 60 from patent US 5654416.
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159933.1 GI:2478565
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PAT 22-JAN-2001

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linear PAT 16-AUG-2002
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Candida albicans
Eukaryota; Fungi; Ascomycota; Saccharomycotina; Saccharomycetes;
Saccharomycetales; mitosporic Saccharomycetales; Candida.
                                                                                                                                                                                                                                                                                                                                                                                                                                               0; Gaps
                                                                                                                                                                                                            Roemer, T., Jiang, B., Boone, C., Bussey, H. and Ohlsen, K.L. Gene disruption methodologies for drug target discovery Patent: WO 02063738-A 1773 11-JUL-2002; Blitra Pharmaceuticals, Inc. (US)
                                                                                                                                                                                                                                                                                                                                                                                                       Query Match 55.0%; Score 11; DB 6; Length 43; Best Local Similarity 100.0%; Pred. No. 4.4e+04; Matches 11; Conservative 0; Mismatches 0; Indels
                                    AX484473 43 bp DNA Sequence 1773 from Patent WO02053728. AX484473.1 GI:22318825
                                                                                                                                                                                                                                                                                                  1. 43
/organism="Candida albicans"
/db_xref="taxon:5476"
a 8 c 7 9 10 t
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Search completed: June 23, 2003, 06:34:18 Job time: 235.051 secs

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25-AUG-2000; 2000US-227948P.
29-AUG-2000; 2000US-228854P.
                    27-AUG-2001; 2001WO-US26519
        WO200216649-A2.
              28-FEB-2002
  Synthetic.
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(ILLU-) ILLUMINA INC. WPI; 2002-292068/33. Gunderson K;

Array comprising adapter sequences useful for immobilizing or detecting a target nucleic acid sequence, has different addresses comprising different specific capture probes .

Claim 1; Page 189; 261pp; English

The invention relates to an oligonucleotide array (1) comprising at least 25 different addresses (adapter sequences) with each comprising a different capture probe selected from a group consisting of the sequences given in ABQ00010-ABQ13409. (1) is useful for immobilising a target nucleic acid sequence by attaching a adapter nucleic acid (ABQ00010-ABQ13409) to a target nucleic acid to form a modified target nucleic acid and contacting the modified target nucleic acid above method is useful for detecting a target nucleic acid with (1). The steps of above method is useful for detecting a target nucleic acid, with (1) which further comprises detecting the presence of the modified target

Sequence 24 BP; 6 A; 6 C; 8 G; 4 T; 0 other;

ö Query Match 55.0%; Score 11; DB 24; Length 24; Best Local Similarity 100.0%; Pred. No. 2.8e+03; Matches 11; Conservative 0; Mismatches 0; Indels

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2 CAACTCTTCGC 12

Search completed: June 23, 2003, 05:43:37 Job time : 134.216 secs

14 CAACTCTTCGC 24 δ 셤

2 CAACTCTTCGC 12

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   reactive activities. DKGR nucleic acids may be sequenced and subjected to site specific mutagenesis to develop modified DKGR with desired and subjected to properties that are absent or less pronounced in the wild-type proteins, such as greater catalytic efficiency, stability to heat, solvent tolerance, NADH dependent activity and different optimum pH. The sequence presented is the PCR primer, 2815, used to amplify 2,5-diketo-D-gluconic acid reductase d (DKGRd) gene (clone pI-28) from DNA extracted from soil samples.
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ive 0; Mismatches 0;
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29-AUG-2000; 2000US-228854P.
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25 different addresses (adapter sequences) with each comprising a different capture probe selected from a group consisting of the sequences yether and apploant ARQUAGO. (I) is useful for immobilising a target nucleic acid sequence by attaching a adapter nucleic acid acquence by attaching a adapter nucleic acid and contacting the modified target nucleic acid and contacting the modified target nucleic acid with (I). The steps of above method is useful for detecting a target nucleic acid with (I), which further comprises detecting the presence of the modified target
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                                                                                     ABQ08101 standard; DNA; 24 BP
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29-AUG-2000; 2000US-228854P.
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Best Local Similarity Matches 11; Conserv

Query Match

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cDNA. R35 is a seven transmembrane receptor which is useful for treating neuropathic pain, inflammatory and chronic pain, incontinence, and disorders of the gastrointestinal tract associated with gut metility and secretion such as irritable bowel syndrome. It is also useful for inducing an immune response in a mammal to protect against the diseases. It is useful in screening assays to identify compounds which stimulate or inhibit the function of the polypeptide, to identify membrane bound or soluble receptors and also for the structure-based design of an agonist, antagonist or inhibitor of R35.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          The invention discloses the isolated polypeptide, and polynucleotide encoding it, 2,5-diketo-D-gluconic acid reductase (DKGR) which is a member of the aldo-keto reductase superfamily. The reductase, in a particular in Pantoea sp., is useful for converting glucose to ascorbic acid, by culturing the host cell under conditions suitable for the expression of DKGR. Glucose is first converted to 2,5-diketo-D-gluconic acid by endogenous oxidases and this is then reduced enzymatically to 2-keto-L-gulonic acid by a heterologous DKGR expressed in the production strain of bacteria. DKGR nucleic acids and proteins are useful to make enzymes useful in industrial processes to convert glucose to vitamin C in a single organism. DKGR proteins or their fragments and derivatives are useful as immunogens to produce antibodies useful in screening for similar enzymes from other organisms and samples. These antibodies are
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Diketo-D-gluconic acid reductases, isolated from the environment using polymerase chain reaction methods, useful to provide new catalysts with desirable traits for industrial processes
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                2,5-diketo-D-gluconic acid reductase d; DKGRd; aldo-keto reductase; glucose; ascorbic acid; 2-keto-L-gulonic acid; vitamin C; immunogen; catalytic efficiency; thermal stability; solvent tolerance; pH optimum; PCR; primer; ss; pI-28.
                      sequence was used in the cloning of full-length mouse R35
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             PCR primer, 28L5, used to amplify 2,5 DKG reductase d (clone pl-28)
                                                                                                                                                                                                                                                                                                                             55.0%; Score 11; DB 21; Length 22; 100.0%; Pred. No. 2.8e+03; ive 0; Mismatches. 0; Indels
                                                                                                                                                                                                                                                                                  Sequence 22 BP; 8 A; 5 C; 7 G; 2 T; 0 other;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Example 1, Page 31, 58pp; English
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Donnelly M, Eschenfeldt WH,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              02-OCT-2001; 2001WO-US42445.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                04-OCT-2000; 2000US-0684385
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   ABK86775 standard; DNA; 22
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                (first entry)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          (GEMV ) GENENCOR INT INC.
                                                                                                                                                                                                                                                                                                                                                                                 11; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                 S CTCTTCGCGGT 15
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                . 14 CTCTTCGCGGT
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       WPI; 2002-463231/49.
                                                                                                                                                                                                                                                                                                                                                        Best Local Similarity
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                        present
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                ABK86775;
                                                                                                                                                                                                                                                                                                                                  Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    RESULT 12
ABK86775
                                                                                                                                                                                                                                                                                                                                                                                 Matches
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Gaps
                                                                                                                                                                                                                                                                                Preparation of new reduced size polypeptide(s), partic. enzyme(s) - lacking at least a part of a loop region while retaining biologically functional activity
                                                                                                                                                                                                                                                                                                                                                                                                                            This sequence verified a Cys to Thr mutation had occurred at a position equivalent to coden 94 of a truncated hen egg white lysozyme gene following site-directed mutagenesis via inverse PCR using an oligonucleotide
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    gene therapy, seven transmembrane receptor; analgesic; Inflammation; incontinence; irritable bowel syndrome; PCR primer; ss.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Michalovich D, Reith AD, Schnuerch H;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Length 21;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Indels
                                                                                                                                                                  Pickersgill RW;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          55.0%; Score 11; DB 15; I 100.0%; Pred. No. 2.8e+03;
                                                                                                                                                                  BEE, Picke
Varvill K;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Sequence 21 BP; 8 A; 5 C; 7 G; 1 T; 0 other;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Mouse R35 specific primer MM-R35-EU1
                                                                                                                                                               WW, Moseley
Mosely BEB,
                                                                                                                                                                                                                                                                                                                                                                                 Disclosure; Page 26; 59pp; English.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Example 4; Page 25; 55pp; English
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93WO-GB02026
                                            92GB-0020418
                                                                                                                                                             PW, Gould WW,
Gould GW, Mose
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             DNA primer (AAQ62039)
                                                                                         (UNIL ) UNILEVER NV. (UNIL ) UNILEVER PLC
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   WPI; 2000-679669/66.
                                                                                                                                                                                                                                     WPI; 1994-135584/16.
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28-SEP-1993;
                                            28-SEP-1992;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          22-FEB-2001
                                                                                                                                                               Goodenough E
Varhill K,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        02-NOV-2000.
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Matches
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#X#X#4#X#1#X#X####X
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Trent J;

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One Hutch strain (HCV-H) of NANBV, designated the Hutch c59 isolate (HCV-Hc59) was propagated through passage in animals and the entire viral genome was cloned and sequenced from the Five microg of purified liver or plasma derived from HCV RNA was used per cDNA priming reaction. Specific nucleotide primers derived from published HCV sequences and spanning the entire reported genomic sequences were used to prime the reaction. Selected target sequences were amplified using a PCR-based approach using a variety of nucleotide primers. The nucleotide sequences of the primers are given in AAQ22872-936 and AAQ24472. Amplified sequences were subsequently isolated, rendered blunt-ended and
                                                                                                                                                                                                                                                                                                                                                                                                                                    Deoxyribonucleic acid sequence encoding non-A, non-B hepatitis virus - obtd. Hutch C59 subgroup encoding polypeptide(s), useful as vaccines, and immuno reactive Abs for diagnosis of virus
                                                                                            Hepatitis C virus; non-A non-B virus; HCV-Hc59; primers;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       inserted into a pUC or pBluescript cloning vectors.
                                                                                                                                                                                                                                                                                                                                                                            Prince AM;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Sequence 20 BP; 3 A; 3 C; 9 G; 5 T; 0 other;
                                                                                                                                                                                                                                                                                                                                                                            Zebedee S, Inchauspe G, Nasofe MS,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Disclosure; Page 107; 225pp; English
                                                            HCV-Hc59 primer #626 (sense strand).
                                                                                                                                                                                                                                                                                                                          (NYBL-) NEW YORK BLOO DCENT.
(PHAA ) PHARMACIA GENETIC ENG INC.
                                                                                                                                                                                                                                                                             90US-0616369.
                                                                                                                                                                                                                                             91WO-US06037
                             07-JUL-1992 (first entry)
                                                                                                                                                                                                                                                                                                                                                                                                           WPI; 1992-096821/12.
                                                                                                                 probes; vaccine; ss.
                                                                                                                                                                                                                                             23-AUG-1991;
                                                                                                                                                                                                                                                                               21-NOV-1990;
                                                                                                                                                                                                                                                                                              25-AUG-1990;
                                                                                                                                                                               W09203458-A.
                                                                                                                                                                                                               05-MAR-1992
                                                                                                                                                Synthetic.
AAQ22888;
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Gaps ö / Match 55.0%; Score 11; DB 13; Length 20; Local Similarity 100.0%; Pred. No. 2.8e+03; hes 11; Conservative 0; Mismatches 0; Indels Query Match Matches

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ABL43707 standard; DNA; 20 BP. ABL43707; ABL43707, RESULT a

Human chromosome 1p36-35 PCR primer SEQ ID NO:751.

genome; PCR primer; ss.

JP2001321190-A. Homo sapiens

Human; chromosome 1p36-35; chromosome 21q22.1; genetic analysis; 11-APR-2002 (first entry)

The present invention describes a method of arraying genome clones. The method comprises: (a) clones of the genomic libraries contained in method comprises numbered for discrimination are mixed in each of the multiwell plates; (b) a primer designed based on the chromosome marker contributed in a signal corresponding to the marker is detected from the resultant amplified product to specify the discrimination Nos. of the multiwell plates containing the clones having said marker sequence; (d) the order contemporation in the specified discrimination Nos. of the multiwell containing the clones in the multiwell plates of the specified discrimination Nos. core mixed respectively in each wells of longitudinal configuration Nos. are mixed respectively in each wells of longitudinal and lateral directions; (f) the mixed clones are cultured and the containination containing the amplified products; (h) the clones in the multiwell configuration is a sequence of the specified containing the specified from the amplified products; (h) the clones in the multiwell containing the specified from the amplified products of the specified containing the PCR primers for human chromosome 1p36-35 DNA, and ABL45323 to ABL45634 represent PCR primers for human chromosome 21q22.1, which are specifically claimed for use in the present invention. Claim 4; Page 19; 528pp; Japanese. 12-MAR-2001; 2001JP-0068285 10-MAR-2000; 2000JP-0066716. (RIKA) RIKAGAKU KENKYUSHO. (GENO-) GENOTEX YG. Arraying genome clones WPI; 2002-144136/19. 20-NOV-2001.

Sequence 20 BP; 4 A; 4 C; 5 G; 7 T; 0 other;

Gaps ; 0 55.0%; Score 11; DB 24; Length 20; 100.0%; Pred. No. 2.8e+03; cive 0; Mismatches 0; Indels 11; Conservative Best Local Similarity Query Match Matches

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5 CTCTTCGCGGT 15 Ŋ 15 CTCTTCGCGGT

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RESULT 10 AAQ62049/c

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Hen egg white lysozyme gene Cys to Thr mutation at codon 94. AAQ62049 standard; DNA; 21 BP. (first entry) 09-OCT-1994 AAQ62049;

Hen egg white; lysozyme; enzyme engineering; protein engineering fowl; plasmid pKP1500; ss. Location/Qualifiers Synthetic

note= "Cys to Thr mutation" WO9408018-A.

/*tag=

Key misc_feature

14-APR-1994

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                                        acid (PNA) oligomers for detecting single nuclectide polymorphisms (SNP) and cycosine methylation status in chemically pretracted genomic DNN. The oligomuclectides are used for diagnosis and/or prognosis of cancer and a range of diseases including immune system, gastrointestinal, respiratory, central nervous system, cardiovascular and metabolic disorders. The oligomers are also used for detecting cell type differentiation. ABC00010-ABE99989, ABF00010-ABE99989 and ABE00010-ABIS9973 represent the oligomers described in the invention. NOTE: The sequence data for this patent did not form part of the printed specification, but was obtained in electronic format from WIPO at
                      This invention describes novel oligonucleotide primers or peptide nucleic acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                nucleic acid. The method comprises monitoring the dispersion of a mixture of a sample and a probe labelled with a fluorescent intensity of a mixture of a sample and a probe labelled with a fluorescent intensity of a mixture of a sample and a probe labelled with a fluorescent the functional time for contains a base sequence complementary to a specific nucleic acid in the sample. The method is useful for clinical gene diagnosis by exploring unknown genes. It is useful for evaluaring the homology of an unknown gene with a control gene sequence and as a method of detecting genetic mutations e.g therapy for hepatitis C virus (HCV). The method is quicker and requires less labour as it specifically detects and quantifies the hybrid in a simple one-step measurement without requiring the separation of excess unhybridised probe. The method is more sensitive and can
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     A method has been developed of measuring the melting temperature of a
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Measuring melting temperature of nucleic acid - comprises monitoring fluorescent intensity of mixture of sample and fluorescently labelled probe
                                                                                                                                                                                                                                                                                                                                                                                         Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       nucleic acid; fluorescent intensity;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Melting point, temperature, nucleic acid; fluorescent intens
probe, fluorescent intercalative dye, target DNA; diagnosis;
detection; genetic mutation; homology; ss.
                                                                                                                                                                                                                                                                                                                                            Length 12;
                                                                                                                                                                                                                                                                                                                                                                                    0; Indels
                                                                                                                                                                                                                                                                                                                                          55.0%; Score 11; DB 23; L 100.0%; Pred. No. 2.8e+03;
                                                                                                                                                                                                                                                                                                  Sequence 12 BP; 3 A; 5 C; 1 G; 3 T; 0 other;
                                                                                                                                                                                                                                                                                                                                                                                      0; Mismatches
                                                                                                                                                                                                                                                         ftp.wipo.int/pub/published_pct_sequences.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Example 3; Page 7; 24pp; English.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  AAX00290 standard; DNA; 13
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    (first entry)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Target DNA sequence DNA 6.
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Best Local Similarity 100.
Matches 11; Conservative
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                                                                                                                                                                                                                                                                                                                                                                                                                            CAACTCTTCGC
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           (TOYJ ) TOSOH CORP.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      05-JUN-1998;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 05-JUN-1997;
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detect small amounts of nucleic acids in sample e.g. tens of copies of target nucleic acids can be amplified to several ng. The present sequence represents a target DNA sequence from an example of the present
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                                                                                                                                  Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        This sequence is based on a fragment of a mycobacterial gene which encodes a protein homologous to the 65KD antigen of mycobacterium. TB-5 is used in a pair as a primer to amplify mycobacterial genes to detect mycobacteria. The oligonucleotide can also be used as a labelled probe to detect amplified mycobacterial sequences. It reacts specifically with Mycobacterium avium DNA. See also AAQ06505-Q06515, AAQ06517-Q06523 and AAR08336.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Nucleotide sequences of actinomycetales - used as primers for
synthesis of DNA of actinomycetales
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Gicouel
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         55.0%; Score 11; DB 11; Length 20; 100.0%; Pred. No. 2.8e+03; ive 0; Mismatches 0; Indels
                                                                                                  55.0%; Score 11; DB 20; Length 13; 100.0%; Pred. No. 2.8e+03; ive 0; Mismatches 0; Indels
                                                                                                                                                                                                                                                                                                                                                                                    mycobacterial antigen; actinomycetales; tuberculosis; ss.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Hance A, Grandchamp-Desraux B, Levy-Frebault V,
                                                                                                                                                                                                                                                                                                                                                        Probe/primer TB-5 derived from mycobacterial gene.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Sequence 20 BP; 2 A; 11 C; 4 G; 3 T; 0 other;
                                                                        Sequence 13 BP; 2 A; 5 C; 5 G; 1 T; 0 other;
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                                                                                                                                                                                                                                                                    ВР.
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                                                                                                                                                                                                                                                                                                                          (first entry)
                                                                                                                 Best Local Similarity 100.
Matches 11; Conservative
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     10 CGCGGTGGCAG 20
                                                                                                                                                               9 TCGCGGTGGCA 19
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                                                                                                                                                                                          12 TCGCGGTGGCA 2
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       13-APR-1990;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  17-APR-1989;
                                                                                                                                                                                                                                                                                                                           22-FEB-1991
                                                                                                                                                                                                                                                                                                                                                                                                                                                                           01-NOV-1990.
                                                                                                                                                                                                                                                                                                                                                                                                                                              WO9012875-A.
                                             invention.
                                                                                                                                                                                                                                                                                                                                                                                                                  Synthetic.
                                                                                                                                                                                                                                                                                              AAQ06516;
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                                                                                                     Query Match
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ID AAQ228
XX
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AAQ06516/c
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useful for

Sims JE;

Mosley BA,

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AV34748-V34756 are primers used in the isolation of human and mouse type II interleukin-1 receptor (IL-IR) which is used in a method to investigate the regulation of the immune or inflammatory response in a mammal. This method involves administering a soluble type-II IL-1 receptor protein in an amount effective to bind to IL-1 and prevent treating alloantigen-induced rejection of transplanted tissues or organs, graft-versus-host disease and autoimmune dysfunction dependent upon the activation of T cells against self antigens, selected from rheumatoid arthritis, diabetes mellitus or multiple sclerosis.
                                                                                              Regulation of interleukin-1 mediated immune or inflammatory response in mammal - comprises administering soluble IL-1 receptor protein, used in treatment of e.g. graft versus host disease and multiple
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Sequence 46 BP; 6 A; 12 C; 14 G; 14 T; 0 other;
                                                                                                                                                                                                            Example 1; Column 19; 33pp; English.
                    Lupton SD,
                                                            WPI; 1998-361746/31
                        Cosman DJ,
                                                                                                                                                                        sclerosis
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65.0%; Score 13; DB 19; Length 46; 100.0%; Pred. No. 1.8e+02; Live 0; Mismatches 0; Indels 3 AACTCTTCGCGGT 15 AACTCTTCGCGGT 37 Conservative Local Similarity es 13; Conserv 25 Query Match Matches à g

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Gaps

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AAF80328 standard; DNA; 26 BP. RESULT 4

PCR primer for cDNA encoding the G-protein coupled receptor IGS4. 29-JUN-2001 (first entry) AAF80328;

Human; G-protein coupled receptor; IGS4; IGS4B; schizophrenia; nervous system disorder; psychiatric disorder; parkinson's disease; episodic paroxyamal anxiety; phobia; migraine; epilepsy; bulmia; stroke; cardicovascular disease; heart failure; angina pectoris; obesity; emesis; motility disorder; myocardial infarction; hypertension; dyslipidemia; gastrointestinal disorder; inflammatory bowel disease; osteoporosis; inflammation; infection; pain; cancer; immune disorder; sepensis; gynecological disorder; PCR primer; ss.

WO200125269-A2.

12-APR-2001

25-SEP-2000; 2000WO-EP09584

24-SEP-1999; 99EP-0201140. 24-SEP-1999; 99NL-1013140. 28-JUL-2000; 2000EP-0202683. 31-JUL-2000; 2000US-0222047.

Loeken C, Deleersnijder W, Berger C, (SOLV) SOLVAY PHARM BV

Nys G,

WPI; 2001-273568/28

New G-protein coupled receptors and the polynucleotides encoding them,

PCR primers AAF80328-30 were used to amplify CDNA encoding a chuman G-protein coupled receptor designated IGS4 Exists in two chuman G-protein coupled receptor designated IGS4. IGS4 exists in two polymorphic forms, IGS4A and IGS4B. The IGS4 receptors and IGS4 colymucleotides are useful for preventing, ameliorating or correcting or correcting cyefunctions or diseases. These diseases include peripheral nervous system, psychiatric and central nervous system disorders (e.g. sofizophrenia, epilopsy, bulimia or stroke), cardiovascular diseases (e.g. heart failure, angina pectoris, myocardial infarction or correction disorders (e.g. inflammations, bulimia or stroke), cardiovascular diseases of cateoporosis, inflammations, infections (e.g. bacterial, fungal, cateoporosis, inflammations, infections (e.g. bacterial, fungal, cateoporosis, inflammations, infections (e.g. bacterial, fungal, cappineral nervous system, candrovas system, cardiovascular system, select muscle, thyroid, lung or system, cardiovascular system, skeletal muscle, thyroid, lung or system, cardiovascular system, select muscle, the IGS4 polynucleotides care useful as diagnostic for detecting under-expression, ö preventing, ameliorating or correcting nervous system cardiovascular diseases, dyslipidemias, inflammations, pain Gaps ; Length 26; 0; Indels 60.0%; Score 12; DB 22; L 100.0%; Pred. No. 7.1e+02; ive 0; Mismatches 0; overexpression or altered expression of IGS4. Sequence 26 BP; 1 A; 7 C; 9 G; 5 T; 4 other; Example 1a; Page 39; 102pp; English. or cancers disorders,

Local Similarity 100. nes 12; Conservative TCTTCGCGGTGG 17 rcrrcccccrcc 16 ø Query Match Matches ò

ABI41062 standard; DNA; 12 BP RESULT 5 AB141062

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ABI41062;

22-FEB-2002 (first entry)

SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS; peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss; central nervous system; gastrointestinal; respiratory; immune; metabolic. Oligonuclectide primer SEQ ID NO 341035 for detecting SNP TSC0010735.

Homo sapiens.

WO200177384-A2

06-APR-2001; 2001WO-IB00713. 18-OCT-2001.

07-APR-2000; 2000DE-1019173

(EPIG-) EPIGENOMICS AG.

Berlin K; Piepenbrock C, Olek A,

WPI; 2001-657177/75.

Set of oligonucleotides, useful for diagnosis and cell typing, i designed to detect single nucleotide polymorphisms and cytosine methylation status

Claim 1; SEQ ID 341035; 29pp + Sequence Listing; German.

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Sequences shown in AAV41169 to AAV41181 represent antisense
cligonucleotides to the RNA component of human telomerase (hTR). These
antisense oligonucleotides specifically hybridise to a nucleotide
caquence within an accessible region of the hTR, but that does not
hybridise to a sequence within the template region of hTR. These
cligonucleotides may specifically be used for detection of an RNA
component of human telomerase in a sample. This is useful for diagnosing
cancer (especially neuroblastoma, bladder, colon and prostate cancer),
and providing prognosis for a cancer patient. The inhibitory
cligonucleotides can inhibit the telomerase activity level in a
interfering with transcription of the RNA component, decreasing the
half-life of the telomerase RNA component transcript, inhibiting the
cof the RNA component into the telomerase holoenzyme, or inhibiting the
polymerase activity of telomerase activity in both cultured cells and in
be used for inhibiting telomerase activity in both cultured cells and in
                                                                                                                                                                                                                                                                                                                                                                                                                             cells in vivo. They can be used in therapeutics for treating or preventing cancer, for contraception or sterilisation, for immunosuppression, and for selectively down-regulating specific branches of the immune system, e.g. a specific subset of T-cells, in anti-inflammatory therapies or for treating infections by, e.g. yeast,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            component; human telomerase; antisense oligonucleotide; infection;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              neuroblastoma; bladder cancer; colon cancer; prostate cancer; cancer; contraception; sterilisation; immunosuppression; therapeutic; hTR; immune system down-regulation; anti-inflammatory therapy; ss.
                New polynucleotide(s) anti:sense to human telomerase - used for detecting or inhibiting human telomerase, e.g. for treating cancers, contraception, immuno-suppression or treating infection
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             100.0%; Score 20; DB 19; Length 20; 100.0%; Pred. No. 0.012; tive 0; Mismatches 0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     RNA component of human telomerase (hTR) antisense oligo 16.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Sequence 20 BP; 3 A; 7 C; 6 G; 4 T; 0 other;
                                                                                              Claim 11; Page 65; 80pp; English.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    1 CCAACTCTTCGCGGTGGCAG 20
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             1 CCAACTCTTCGCGGTGGCAG
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  AAV41172 standard; DNA; 30 BP
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96US-0770564.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      parasites or fungi.
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Best Local Simil
Matches 20; C
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20-DEC-1996;
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Sequences shown in AAV41169 to AAV41181 represent antisense
oligonucleotides to the RNA component of human telomerase (hTR). These
artisense oligonucleotides specifically bybridise to a nucleotide
sequence within an accessible region of the hTR, but that does not
oligonucleotides may specifically be used for detection of an RNA
component of human telomerase in a sample. This is useful for diagnosing
component of human telomerase in a sample. This is useful for diagnosing
component of human telomerase in a sample. This is useful for diagnosing
component of human telomerase in a sample. This is useful for diagnosing
component of human telomerase in a cancer patient. The inhibitors
component of human telomerase in a cancer patient. The inhibitory
coligonucleotides can inhibit the telomerase activity level in a cell by
interfering with transcription of the RNA component decreasing the
half-life of the telomerase RNA component transcript, inhibiting the
collymerase activity of telomerase. These antisense oligonucleotides can
collymerase activity of telomerase activity in both cultured cells and in
cells in vivo. They can be used in therapeutics for treating or
preventing cancer, for contraception or sterilisation, for
immunosuppression, and for selectively down-regulating specific branches
cof the immune system, e.g. a specific subset of T-cells, in
anti-inflammatory, therapies or for treating infections by, e.g. yeast,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Type II interleukin-1 receptor; IL-1R; immune response; inflammation; regulation; soluble; cell surface receptor; treatment; alloantigen; fissue; organ; rejection; transplant; graft-versue-host disease; human; autoimmune dysfunction; T-cell activation; self antigen; primer; rheumatoid arthritis; diabetes mellitus; multiple sclerosis; ss.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Gapa
              detecting or inhibiting human telomerase, e.g. for treating cancers, contraception, immuno-suppression or treating infection
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                100.0%; Score 20; DB 19; Length 30; 100.0%; Pred. No. 0.012; ive 0; Mismatches 0; Indels
New polynucleotide(s) anti:sense to human telomerase
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Sequence 30 BP; 6 A; 10 C; 9 G; 5 T; 0 other;
                                                                              Claim 11; Page 65; 80pp; English
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 1 CCAACTCTTCGCGGTGGCAG 20
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94US-0242211.
95US-0442043.
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90US-0573576
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       (first entry)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Local Similarity 100.
Les 20; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        parasites or fungi
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24-AUG-1990;
13-DEC-1990;
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13-MAY-1994
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Matches
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(IMMV) IMMUNEX CORP

PCR primer DYV-218

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Human SEC2 DNA amp
Primer for T7 gene
Murine insulin-lik
Rat insulin-like g
Yeast NORF gene SA
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SNP specific SNPE
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                                                                                                                                                                                                                                      Oligonucleotide
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          RNA component of human telomerase (hTR) antisense oligo 16bc.
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ABI54849
ABI81242
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ABI19475
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AAV08260
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ABQ08142
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            AAV41174 standard; DNA; 20 BP
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96US-0770564
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Kealey JT, Kim NW,
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20-DEC-1996;
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ID AAV
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RNA component of h
Human Type II IL-1
PCR primer for cDN
Oligonucleotide pr
Target DNA sequenc
Probe/primer TB-5
HCV-HC59 primer #6
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.
                                                                                                                     June 22, 2003, 18:09:32 ; Search time 132.908 Seconds (without alignments) 338.880 Million cell updates/sec
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              **SIDS2/gcgdata/geneseq/geneseqn-embl/NA1980.DAT:*

1. $IDDS2/gcgdata/geneseq/geneseqn-embl/NA1981.DAT:*

2. $IDDS2/gcgdata/geneseq/geneseqn-embl/NA1981.DAT:*

3. $IDDS2/gcgdata/geneseq/geneseqn-embl/NA1981.DAT:*

4. $IDDS2/gcgdata/geneseq/geneseqn-embl/NA1981.DAT:*

5. $IDDS2/gcgdata/geneseq/geneseqn-embl/NA1981.DAT:*

5. $IDDS2/gcgdata/geneseq/geneseqn-embl/NA1981.DAT:*

6. $IDDS2/gcgdata/geneseq/geneseqn-embl/NA1980.DAT:*

7. $IDDS2/gcgdata/geneseq/geneseqn-embl/NA1980.DAT:*

8. $IDDS2/gcgdata/geneseq/geneseqn-embl/NA1980.DAT:*

10. $IDDS2/gcgdata/geneseq/geneseqn-embl/NA1980.DAT:*

11. $IDDS2/gcgdata/geneseq/geneseqn-embl/NA1991.DAT:*

12. $IDDS2/gcgdata/geneseq/geneseqn-embl/NA1991.DAT:*

13. $IDDS2/gcgdata/geneseq/geneseqn-embl/NA1991.DAT:*

14. $IDS2/gcgdata/geneseq/geneseqn-embl/NA1992.DAT:*

15. $IDS2/gcgdata/geneseq/geneseqn-embl/NA1992.DAT:*

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19. $IDS2/gcgdata/geneseq/geneseqn-embl/NA1996.DAT:*

10. $IDS2/gcgdata/geneseq/geneseqn-embl/NA1996.DAT:*

11. $IDS2/gcgdata/geneseq/geneseqn-embl/NA1996.DAT:*

12. $IDS2/gcgdata/geneseq/geneseqn-embl/NA1996.DAT:*

13. $IDS2/gcgdata/geneseq/geneseqn-embl/NA1996.DAT:*

14. $IDS2/gcgdata/geneseq/geneseqn-embl/NA1996.DAT:*

15. $IDS2/gcgdata/geneseq/geneseqn-embl/NA1996.DAT:*

16. $IDS2/gcgdata/geneseq/geneseqn-embl/NA1996.DAT:*

17. $IDS2/gcgdata/geneseq/geneseqn-embl/NA1996.DAT:*

18. $IDS2/gcgdata/geneseq/geneseqn-embl/NA1996.DAT:*

19. $IDS2/gcgdata/geneseq/geneseqn-embl/NA1996.DAT:*
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                                                                                                                                                                                                                                                                                                                                                                                   2166140
                   GenCore version 5.1.6
Copyright (c) 1993 - 2003 Compugen Ltd.
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                                                                                                                                                                                                                                                                                                                  2185239 seqs, 1125999159 residues
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              SUMMARIES
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AAQ22888
ABL43707
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ABI41062
                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Post-processing: Listing first 45 summaries
                                                                                          nucleic search, using sw model
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                                                                                                                                                                                                                               1 CCAACTCTTCGCGGTGGCAG 20
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Gapop_60.0 , Gapext 60.0
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Match 1
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100.0
65.0
55.0
55.0
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Score

Result No.

0000

Fragment of a plas Human obesity-asso Human HLA-A primer PCR primer ABCR.EX

0

Word size

Searched:

Database :

Result No.

Scoring table:

Perfect score:

Sequence:

OM nucleic

Run on:

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420, App
420, App
25, Appli
28, Appl
29, Appl
5, Appli
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5, Appli
34, Appli
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Sequence 5
Sequence 2
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Sequence 2
Sequence 2
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Sequence
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APPLICANT: Wiw, Fred
APPLICANT: Wiw, Fred
APPLICANT: Pruzan, Ronald
APPLICANT: Pruzan, Ronald
APPLICANT: Pruzan, Rechald
TITLE OF INVENTION: Telomerase
NUMBER OF SEQUENCES: 26
ADDRESSEE: TOWNSEND and TOWNSEND and CREW LLP
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   ö
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Best Local Similarity 100.0%; Pred. No. 0.0018;
Matches 20; Conservative 0; Mismatches 0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           OPERATING SYSTEM: KC-LUSS/RS-LUUS
SOFTWARE: Patentin Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/770,565
FILING DATE: 20-DEC-1996
CLASSIFICATION: 435
ATTOREX/AGENT INFORMATION:
NAME: SCOTCHIA JOHN R.
REGISTRATION NUMBER: 32,944
REFRENCE/DOCKET NUMBER: 32,944
REFRENCE/DOCKET NUMBER: 015389-002300US
TELEPRA: 415-576-020
TELEPRA: 415-576-020
INFORMATION FOR ESO ID NO: 7:
SEQUENCE CHARACTERISTICS:
LENGTH: 20 base pairs
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       B: TOWNSEND and TOWNSEND and CREW LLP Two Embarcadero Center, 8th Floor
US-09-289-368-52
US-09-190-982-10
US-09-408-257-10
US-09-136-411-7
US-09-472-035A-12
US-09-291-541-5
US-09-291-541-2
US-09-291-541-2
US-09-291-541-2
US-08-118-193-29
US-08-118-193-29
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US-08-244-6-5
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US-09-244-6-5
US-09-244-6-5
US-09-244-6-5
US-09-244-6-5
US-09-284-601-5
US-09-284-601-5
US-09-844-6-5
US-09-284-601-5
US-09-478-601-5
                                                                                                                                                                                                                                                                                                                               ALIGNMENTS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  ZIP: 94111-3834
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
                                                                                                                                                                                                                                                                                                                                                                                                            ; Sequence 7, Application US/08770565; Patent No. 5846723; GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                1 CCAACTCTTCGCGGTGGCAG 20
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  TYPE: nucleic acid
STRANDEDNESS: single
     CITY: San Francisco
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       California
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 TOPOLOGY: linear MOLECULE TYPE: DNA
     USA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        COUNTRY:
                                                                                                                                                                                                                                                                                                                                                                                           US-08-770-565-7
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   US-08-770-565-7
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                                                                                                           June 23, 2003, 04:53:08; Search time 31.3147 Seconds (without alignments) 195.867 Million cell updates/sec
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Sequence 5, Api
Sequence 60, Ai
Sequence 60, Ai
Sequence 60, Ai
Sequence 3, Api
Sequence 3, Api
Sequence 3, Api
Sequence 3, Api
Sequence 451, Api
Sequence 451, Api
Sequence 11, Api
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Description
                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Issued Patents NA:*

(cgn2_6/ptodata/2/ina/5A_COMB.seq:*

// cgn2_6/ptodata/2/ina/5B_COMB.seq:*

// cgn2_6/ptodata/2/ina/6A_COMB.seq:*

// cgn2_6/ptodata/2/ina/6B_COMB.seq:*

// cgn2_6/ptodata/2/ina/BCTUS_COMB.seq:*

// cgn2_6/ptodata/2/ina/bcTus_COMB.seq:*
                  5.1.6
Compugen Ltd.
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US-08-106-507-7

US-08-442-438-5

US-08-473-020A-13

US-08-495-743-60

US-08-495-743-60

US-08-495-743-60

US-08-495-743-60

US-08-495-743-60

US-08-05-743-61

US-08-05-743-61

US-08-05-743-61

US-08-05-743-61

US-08-05-743-61

US-08-05-05-61

US-08-548-54-3

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US-08-548-54-3

US-08-592-620A-451

US-08-136-074-1
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US-08-473-020A-14
                                                                                                                                                                                                                                                                                            441362 segs, 153338381 residues
                  GenCore version
Copyright (c) 1993 - 2003
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      SUMMARIES
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                                                                              - nucleic search, using sw model
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Gapop_60.0 , Gapext 60.0
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Match Length
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Mismatches

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14; Conservative
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      Matches
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                                                                                                                                                                                                             APPLICANT: New Facal Applicant Founds T. APPLICANT: Pruzah, James T. APPLICANT: Pruzah, Ronald APPLICANT: Pruzah, Scott L. TITLE OF INVENTION: Methods for Detecting the RNA Component of TITLE OF INVENTION: Telomerase TITLE OF SEQUENCES: 26 CORRESPONDENCE ADDRESS: 26 CORRESPONDENCE ADDRESS: 26 ADDRESSEE: TOWNSEND and TOWNSEND and CREW LLP
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Score 20; DB 2; Length 30;
Pred. No. 0.0018;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      70.0%; Score 14; DB 6; Length 45; 100.0%; Pred. No. 6.8;
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;Patent No. 5198342
; APPLICANT: MALIISZEWSKI, CHARLES R.
; TITLE OF INVENTION: DNA ENCOGING IGA FC RECEPTORS
; NUMBER OF SEQUENCES: 9
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              SOFTWARE: Patentin Release #1.0, Version #1.30 CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/770,565
FILING DATE: 20-DEC-1996
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           ATTORNEY/AGENT INFORMATION:
NAME: Storella, John R.
REGISTRATION NUMBER: 32,944
REPERENCE/DOCKET NUMBER: 015389-002300US
TELECOMMUNICATION INFORMATION:
TELEPHONE: 415-576-0200
                                                                                                                                                                                                                                                                                                                                                                                    STREET: Two Embarcadero Center, 8th Floor
CITY: San Francisco
STATE: California
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                                                                                                                                                                                                                                                                                                                                                                                                           CILL.
STATE: CALLUC...
COUNTRY: USA
ZIP: 94111-3834
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
"AWPHTER: IBM PC compatible
"AMPHTER: PROPER: PC-DOS/MS-DOS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/07/548,059
FILING DATE: 05-JUL-1990
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                                                                                                                      Sequence 5, Application US/08770565
Patent No. 5846723
GENERAL INFORMATION:
APPLICANT: Kim, Nam Woo
APPLICANT: Wu, Fred
      1 CCAACTCTTCGCGGTGGCAG 20
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Best Local Similarity 100.0%; P:
Matches 20; Conservative 0;
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415-576-0300
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INFORMATION FOR SEQ ID NO:
SEQUENCE CHARACTERISTICS
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Rest Local Similarity
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MOLECULE TYPE: DNA
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Gaps
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                             APPLICANT: Sims, John E.
APPLICANT: Comman, David J.
APPLICANT: Lupton, Stephen D.
APPLICANT: Mosley, Bruce A.
APPLICANT: Mower, Steven K.
APPLICANT: Dower, Steven K.
APPLICANT: Dower, Steven K.
APPLICANT: Dower, Steven K.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          OPERATING SYSTEM: PC-DOS/MS-DOS SOFTWARE: Patentin Release #1.24 CURRENT APPLICATION DATA: APPLICATION NUMBER: US/08/091,519 FILING DATE: CLASSIFICATION: 435 PRIOR APPLICATION DATA: APPLICATION NUMBER: US/07/701,415 FILING DATE: 06-UUN-1990 PRIOR APPLICATION NUMBER: US/07/534,193 FILING DATE: 24-AUG-1990 PRIOR APPLICATION DATA: APPLICATION DATA: APPLICATION DATA: APPLICATION DATA: APPLICATION DATA: TILING DATE: 14-AUG-1990 PRIOR APPLICATION DATA: APPLICATION
                                                                                                                                                                                                                                                                                                                               Sequence 5, Application US/08091519
Patent No. 5350683
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    ADDRESSEE: Immunex Corporati
STREET: 51 University Street
CITY: Seattle
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
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TELECOMMUNICATION INFORMATION: TELEPHONE: 206-587-5570
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2 CAACTCTTCGCGGT 15
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                                                                                           23 chacrcrrceceer 36
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Best Local Similarity 100.
Matches 13; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       CORRESPONDENCE ADDRESS:
ADDRESSEE: Immunex C
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  TYPE: nucleic acid
STRANDEDNESS: sing
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        linear
                                                                                                                                                                                                                                                                                                                                                                                                 Patent No. 5350683
GENERAL INFORMATION:
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Gaps
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      0; Indels
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PCT-US91-03478-5
; Sequence 5, Application PC/TUS9103478
; GENERAL INFORMATION:
    APPLICANT: Sims, John E.
    APPLICANT: Cosman, David J.
    APPLICANT: Lupton, Stephen D.
    APPLICANT: Dower, Steven K.
    APPLICANT: Dower, Steven K.
    TITLE OF INVENTION: Type II Interleukin-1 Receptors
    NUMBER OF SEQUENCES: 14
    CORRESPONDENCE ADDRESS:
    ADDRESSEE: Immunex Corporation
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Mismatches
                                                                                    COMPUTER REDABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC COMPATIBLE
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.24
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/442,043A
FILING DATE: 16-MAY-1995
CLASSIFICATION: 514
                                                                                                                                                                                                                                                                                              PRIOR APPLICATION DATA

APPLICATION NUMBER: US 07/534,193
FILING DATE: 05-UNN-1990
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 07/573,576
FILING DATE: 24-ANG-1990
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 07/627,071
FILING DATE: 13-DEC-1990
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 07/701,415
FILING DATE: 16-MAY-1991
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/091,519
FILING DATE: 12-ULY-1993
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/242,211
FILING DATE: 13-MAY-1994
ATTORNEY/AGENT INFORMATION:
NAME: PERKINS, PARTICIA A.
REGISTRATION NUMBER: 34,693
REGISTRATION NUMBER: 34,693
REGISTRATION NUMBER: 2003-F
TELECOMMUNICATION INFORMATION:
TELEPHONE: 206-687-5570
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               ADDRESSEE: Immunex Corporation
STREET: 51 University Street
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         65.00
100.08; Pit
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INFORMATION FOR SEQ ID NO:
SEQUENCE CHARACTERISTICS:
LENGTH: 46 base pairs
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   3 AACTCTTCGCGGT 15
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         TYPE: nucleic acid
STRANDEDNESS: single
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           linear
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Query Match
Best Local Similarity
Matches 13; Conserv
Seattle
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               MOLECULE TYPE:
HYPOTHETICAL:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    US-08-442-043A-5
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 65.0%; Score 13; DB 1; Length 46; 100.0%: Pred. No. 27;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Indels
                                                                                                      APPLICANT BECKNANN, M. P.
APPLICANT GOODWIN, RAYMOND G.
APPLICANT GOODWIN, RAYMOND G.
APPLICANT GIRL, JUNITH G.
APPLICANT GIRL, JUNITH G.
APPLICANT ANITHOSE, RICHARD J.
ITILE OF INVENTION: CD27 LIGAND
NUMBER OF SEQUENCES: 10
CORRESPONDENCE ADDRESS:
ADDRESSE: IMMINEX CORPORATION
STREET: 51 UNIVERSITY STREET
CITY: SEATTLE
STATE: WAS
COUNTRY: USA
ZIP: 98101
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC Compatible
COMPUTER: IBM PC Compatible
COMPUTER: IBM PC Compatible
COMPUTER: BEADLICATION DATA:
APPLICATION NUMBER: US/08/106,507
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          APPLICANT: Cosman, David J.
APPLICANT: Cosman, David J.
APPLICANT: Lupton, Stephen D.
APPLICANT: Mosley, Bruce A.
APPLICANT: Dower, Steven K.
TITLE OF INVENTION: Type II Interleukin-1 Receptors
NUMBER OF SEQUENCES: 19
CORRESPONDENCE ADDRESS:
ADDRESSE: Immunex Corporation
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   0; Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           PILING DATE:
CLASSIFICATION: 530
PRIOR APPLICATION DATA:
APPLICATION DATA:
APPLICATION NUMBER: US 07/941,648
FILING DATE: 08-SEP-1992
ATTORNEY/AGENT INFORMATION:
NAME: WIGHT, CHRISTOPHER L.
REGISTRATION NUMBER: 31,680
REGISTRATION NUMBER: 31,680
REGISTRATION NUMBER: 2809-A
TELECOMMUNICATION INFORMATION:
TELEPHONE: 206-587-0430
INFORMATION FOR SEQ ID NO: 7:
SEQUENCE CHARACTERISTICS:
SEQUENCE CHARACTERISTICS:
LENGTH: 46 base pairs
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Sequence 5, Application US/08442043A
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51 University Street
                                     Sequence 7, Application US/08106507
Patent No. 5573924
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             MOLECULE TYPE: DNA (genomic)
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GENERAL INFORMATION:
APPLICANT: Sims, John E.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Best Local Similarity 100.
Matches 13; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              LENGTH: 46 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        HYPOTHETICAL:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            US-08-442-043A-5
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Gaps
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ADDRESSEE: Eastman Kodak Company, Patent Legal Staff
STREET: 343 State Street
CITY: Rochester
STATE: New York
COUNTRY: U.S.A.
ZIP: 14650 - 2201
COMPUTER READABLE FORM:
MEDIUM TYPE: Diskette, 3.5inch, 1.44 MB storage (IBM)
COMPUTER: IBM PS/2
COMPUTER: TOWN MS-DOS Version 3.3
SOFTWARE: PC-8 (Word for Windows)
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/495,743
FILING DATE: 14-MAY-1995
FILING DATE: 14-MAY-1993
ATTORNEY/ASENT INFORMATION:
APPLICATION NUMBER: US 08/062,023
FILING DATE: 14-MAY-1993
ATTORNEY/ASENT INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Sequence 60, Application US/08495743

Sequence 60, Application US/08495743

Betent No. 565446

GENERAL INFORMATION:
APPLICANT: Thomas J. Cummins, Susan M. Atwood
APPLICANT: Thomas J. Cummins, Susan M. Atwood
APPLICANT: John W.H. Sutherland, Johnne H. Kerschner
APPLICANT: John W.H. Sutherland, Johnne H. Kerschner
TITLE OF INVENTION: DIAGNOSTIC COMPOSITIONS, ELEMENTS,
TITLE OF INVENTION: AMPLIFICATION AND DETECTION OF TWO
TITLE OF INVENTION: OR MORE TARGET DNA'S USING PRIMERS
TITLE OF INVENTION: HAVING MATCHED MELTING TEMPERATURES
NUMBER OF SEQUENCES: 65
CORRESPONDENCE ADDRESS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Length 20;
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Patentin Release #1.0, Version #1.25
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           4.1e+02;
                                               CURKENT AFFLICATION UNDER: US/08/473,020A
PILING DATE: 06-JUN-1995
CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 07/623,729
FILING DATE: 14-DEC-1990
ATTORNEY/AGENT INFORMATION:
NAME: DEGGET, Walter H
REGISTRATION NUMBER: 24190
REFERENCE/DOCKET NUMBER: A54435
TELECOMMUNICATION NUMBER: A54435
TELECOMMUNICATION NUMBER: A54435
TELEPHONE: (415) 781-1989
INFORMATION FOR SEQ ID NO: 13:
SEQUENCE CHARACTER.ESTICS:
LENGTH: 20 base pairs
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              55.0%; SCOL.
100.0%; Pre
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REGISTRATION NUMBER: 27,678
REGISTRENCE/DOCKET NUMBER: 67,
TELECOMMUNICATION INFORMATION:
TELEPHONE: (716) 722-9332
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           (716) 477-4646
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Query Match
Best Local Similarity 100.
Matches 11; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   TYPE: nucleic acid
STRANDEDNESS: single
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   10 CGCGGTGGCAG 20
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US-08-495-743-60/c
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      SOFTWARE:
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APPLICANT: Hance, Allan J
APPLICANT: Grandchamp-Desraux, Bernard
APPLICANT: Grandchamp-Desraux, Bernard
APPLICANT: Gicquel, Brigitte
APPLICANT: Gicquel, Brigitte
TITLE OF INVENTION: applications to the synthesis or detection of nuclei
TITLE OF INVENTION: applications of expression of such sequences and
TITLE OF INVENTION: application as immunogenic compositions.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Length 46;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               0; Mismatches
                                                                                           COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
COMPENTING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.24
CURRENT APPLICATION DATA:
APPLICATION NUMBER: PCT/US91/03478
FILING DATE: 19910517
CLASSIFICATION 1435
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 07/534,193
FILING DATE: 06-JUN-1990
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 07/573,576
FILING DATE: 24-AUG-1990
PRIOR APPLICATION NUMBER: US 07/527,071
FILING DATE: 13-DEC-1990
ATTORNEY/AGENT INFORMATION:
NAME: Wight, Christopher I.
REGISTRATION NUMBER: 31680
TELECOMMUNICATION INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         COMPUTER READBALE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            US-08-473-020A-13/c
; Sequence 13, Application US/08473020A
; Patent No. 5877273
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Walter H. Dreger
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Query Match
Best Local Similarity 100.0%;
Matches 13; Conservative 0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      INFORMATION FOR SEQ ID NO: SEQUENCE CHARACTERISTICS: LENGTH: 46 base pairs
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    ALDELT: 4 EMBALCE.
CITY: San Francisco
enarg: California
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            TYPE: NUCLEIC ACID
STRANDEDNESS: single
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        NUMBER OF SEQUENCES:
CORRESPONDENCE ADDRESS
ADDRESSEE: Walter H
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           linear
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 CITY: San
STATE: Ca
COUNTRY:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             PCT-US91-03478-5
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                                                                                                                                                                   55.0%; Score 11; DB 1; Length 30; 100.0%; Pred. No. 4.1e+02; ive 0; Mismatches 0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    GENERAL INFORMATION:

APPLICANT: Thomas J. Cummins, Susan M. Atwood

APPLICANT: Lynn Bergmeyer, John B. Findlay

APPLICANT: Lynn Bergmeyer, John B. Findlay

APPLICANT: John W. Sutherland, Johnne H. Kerschner

TITLE OF INVENTION: DIAGNOSTIC COMPOSITIONS, ELEMENTS,

TITLE OF INVENTION: MFTHODS AND TEST KITS FOR

TITLE OF INVENTION: AMPLIPICATION AND DETECTION OF TWO

TITLE OF INVENTION: OR MORE TRAGET DNA'S USING PRIMERS

TITLE OF INVENTION: HAVING MATCHED MELTING TEMPERATURES
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  STATE: New York
COUNTRY: U.S.A.
ZIP: 14650 - 2.
COMPUTER READABLE FORM:
MEDIUM TYPE: Diskette, 3.5inch, 1.44 MB storage (IBM)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Eastman Kodak Company, Patent Legal Staff
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                MEDIUM TYPE: DIBRECLE, COMPUTER: IBM PS/2
OPPERTING SYSTEM: MS-DOS Version 3.3
SOFTWARE: PC-8 (Word for Windows)
CURRENT. APPLICATION DATA:
APPLICATION DATA:
APPLICATION DATA:
PILING DATE: 08-JUN-1995
CLASSIFICATION: 435
PRICHARD APPLICATION DATA:
APPLICATION NUMBER: US/08/062,023
FILING BATE: 19930514
CLASSIFICATION: 435
ATTORNEY/AGENT INFORMATION:
NAME: TUCKET, J. Lanny
REGISTRATION NUMBER: 27,678
REGISTRATION NUMBER: 27,678
TELEFRANTION INFORMATION:
TELEFRANT (716) 722-9332
TELEFRANT (716) 722-9332
TELEFRANT (716) 722-9332
TELEFRANT (716) 772-9332
                                Synthetically prepared
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               ANTI-SENSE: NO ORIGINAL SOURCE: Synthetically prepared
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             MOLECULE TYPE: Probe for Mycobacterium MOLECULE TYPE: avium DNA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    inmediate source: Same
PUBLICATION INFORMATION: Unknown
US-08-495-741-60
                             ORIGINAL SOURCE: Synthetically pr
IMMEDIATE SOURCE: Same
PUBLICATION INFORMATION: Unknown
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Sequence 60, Application US/08495741
Patent No. 5733751
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   STREET: 343 State Street
                                                                                                                                                                                                   Best Local Similarity 100.
Matches 11; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      TYPE: Nucleic acid
STRANDEDNESS: Single
                                                                                                                                                                                                                                                                                       10 CGCGGTGGCAG 20
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              NUMBER OF SEQUENCES: 6:
CORRESPONDENCE ADDRESS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Linear
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Best Local Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Rochester
                                                                                                                                                                                                                                                                                                                                                                                                                              RESULT 11
US-08-495-741-60/c
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         ADDRESSEE:
                                                                                                                 US-08-495-739-60
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; Sequence 60, Application US/08495739
; Patent No. 5702901
; GENERAL INFORMATION:
; APPLICANT: Thomas J. Cummins, Susan M. Atwood
; APPLICANT: Lynn Bergmeyer, John B. Findlay
; APPLICANT: Lynn Bergmeyer, John B. Findlay
; TITLE OF INVENTION: DIAGNOSTIC COMPOSITIONS, ELEMENTS,
; TITLE OF INVENTION: METHODS AND TEST KITS FOR
; TITLE OF INVENTION: AMPLIFICATION AND DETECTION OF TWO
; TITLE OF INVENTION: AMPLIFICATION AND DETECTION OF TWO
; TITLE OF INVENTION: HAVING MATCHED MELTING TEMPERATURES
; NUMBER OF SEQUENCES: 65
                                                                                                                                                                                                                                                                                                                                                                                                                              Length 30;
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COUNTRY: U.S.A.
ZIP: 14650 - 2201
COMPUTER READABLE FORM:
MEDIUM TYPE: Diskette, 3.5inch, 1.44 MB storage (IBM)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        CORRESPONDENCE ADDRESS:
ADDRESSEE: Bastman Kodak Company, Patent Legal Staff
STREET: 343 State Street
CITY: Nochester
STATE: New York
                                                                                                                                                                                                                                                                                                                                                                                                                           Query Match 55.0%; Score 11; DB 1; Le Best Local Similarity 100.0%; Pred. No. 4.1e+02; Matches 11; Conservative 0; Mismatches 0;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       COMPUTER: INTE: DISKETCE, 3.51DGD, 1.44 MB COMPUTER: INTE: DISKETCE, 3.51DGD, 1.44 MB COMPUTER: PC-8 (Word for Windows) SOFTWARE: PC-100 NUMBER: US/08/495,739 FILING DATE: US/08/495,739 FILING DATE: US/08/062,023 FILING DATE: US/08/062,023 FILING DATE: US/08/062,023 FILING DATE: US/08/1093 ATTORNEY/AGENT INFORMATION: NAME: TUCKET, J. Lanny REGISTRENCE/DOCKET NUMBER: 67271A TELECOMMUNICATION INFORMATION: TELECOMMUNICATION INFORMATION: TELECOMMUNICATION INFORMATION: TELECOMMUNICATION INFORMATION: SOUTHOUS SEQ ID NO: 60: SEQUENCE CHARACTERISTICE:
                                                                                                                                                                                                                                                                                  ORIGINAL SOURCE: Synthetically prepared
                                                 LENGTH: 30 nuclectides
TYPE: Nucleic acid
STRANDEDNESS: Single
TOPOLOGY: Linear
MOLECULE TYPE: Probe for Mycobacterium
MOLECULE TYPE: avium DNA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     MOLECULE TYPE: Probe for Mycobacterium
MOLECULE TYPE: avium DNA
HYPOTHETICAL: No
                                                                                                                                                                                                                                                                                                         i IMMEDIATE SOURCE: Same
publication information: Unknown
US-08-495-743-60
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INFORMATION FOR SEQ ID NO: SEQUENCE CHARACTERISTICS
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STRANDEDNESS: Single
TOPOLOGY: Linear
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         10 CGCGGTGGCAG 20
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Application US/08664449
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                                                                                                                                                                                                                                                                                                                                                                                                                                       COUNTRY:
       Sequence 61,
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                                                                                                                                                                                                                                                                                                                              Patent No. 6174668
GENERAL INFORMATION:
APPLICANT: Lynn Bergmeyer, John B. Findlay
TITLE OF INVENTION: DIAGNOSTIC COMPOSITIONS, ELEMENTS,
TITLE OF INVENTION: METHODS AND TEST KITS FOR
TITLE OF INVENTION: AMPLIFICATION AND DETECTION OF TWO
TITLE OF INVENTION: OR MORE TARGET DNA'S USING PRIMERS
TITLE OF INVENTION: HAVING MATCHED MELTING TEMPERATURES
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              COMPUTR: U.S.A.

ZIP: 14650 - 2201

COMPUTER READABLE FORM:
MEDIUM TYPE: Diskette, 3.5inch, 1.44 MB storage (IBM)
COMPUTER: IBM PS/2
COMPUTER: DE/2
COMPUTER: DC-8
COMPUTER
              Indels
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                  Mismatches
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ONGINAL SOURCE: Synthetically prepared
IMMEDIATE SOURCE: Same
PUBLICATION INFORMATION: Unknown
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           MOLECULE TYPE: Probe for Mycobacterium MOLECULE TYPE: avium DNA HYPOTHETICAL: No
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              TELEPHONE: (716) 722-9332
TELEFAX: (716) 477-4646
INFORMATION FOR SEQ ID NO: 60: SEQUENCE CHARACTERISTICS: LENGTH: 30 nucleotides
TYPE: NUCLEIC ACID
STRANDEDNESS: Single
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         ATTORNEY/AGENT INFORMATION:
NAME: Tucker, J. Lanny,
REGISTRATION NUMBER: 27,678
REFERENCE/DOCKET NUMBER: 672
TELECOMMUNICATION:
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    343 State Street
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       TITLE OF INVENTION: DIRATILE OF INVENTION: METHILLE OF INVENTION: AMPITITLE OF INVENTION: OR NUMBER OF SEQUENCES: 65 CORRESPONDENCE ADDRESS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    19930514
                      Conservative
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CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       10 CGCGGTGGCAG 20
                                                                                         10 CGCGGTGGCAG 20
                                                                                                                                          21 CGCGGTGGCAG 11
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                                                                                                                                                                                                                                                                          RESULT 12
US-08-062-023-60/c
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                      11;
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STATE:
                      Matches
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RESULT 13 US-08-664-449-61/c

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GENERAL NO. 5766905
GENERAL INFORMATION:
APPLICANT: Studier, F. W.
APPLICANT: Rosenberg, Alan H.
TITLE OF INVENTION: Cytoplasmic Bacteriophage Display System NUMBER OF SEQUENCES: 70
CORRESPONDENCE ADDRESS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Sequence 3. Application US/07778233B

Patent No. 5270170

GENERAL INFORMATION:
APPLICANT: Cull, Millard G.
APPLICANT: Millard G.
TITLE OF INVENTION:
PEPTIGE D. TO INVENTION:
CORRESPONDENCE S. 78

CORRESPONDENCE ADDRESS:
ADDRESSEE: Alliam M. Smith
STREET: One Market Plaza, Steuart Tower, Suite 2000
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Length 38;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                SOFTWARE: Patentin Release #1.0, Version #1.25 CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/07/778,233B FILING DATE: 19911016
                                                                                                                                                                                                                                                                                                                   COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
COMPUTER: SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/664,449
FILING DATE: 17.0ue-1996
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                                                                                                                                                                       ADDRESSEE: Brookhaven National Laboratory STREET: Building 902C CITY: Upton
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             ZIP: 94105
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       ATTORNEY/AGENT INFORMATION:
NAME: Bogosian, Margaret
REGIETRATION NUMBER: 25,324
REFRENCE/DOCKET NUMBER: AUI-
TELECOMMUNICATION INFORMATION:
TELEPHONE: (516) 344-7338
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        ; MOLECULE TYPE: DNA (genomic)
US-08-664-449-61
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            TELEPAX: (516) 344-733
TELEPAX: (516) 344-3729
INFORMATION FOR SEQ ID NO: 6
SEQUENCE CHARACTERISTICS:
LENGTH: 38 base pairs
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
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STATE: California
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APPLICANT: Cull, Millard G.
APPLICANT: Miller, Jeff F.
APPLICANT: Stemmer, Willem P.C.
TITLE OF INVENTION: Peptide Library and Screening Method
NUMBER OF SEQUENCES: 91
CORRESPONDENCE ADDRESS:
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STREET: One Market Plaza, Steuart Tower, Suite 2000
CITY: San Francisco
STATE: California
COUNTRY: USA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  COMPUTER: USA
ZIP: 94105
COMPUTER READABLE FORM:
MEDIUM TYBE: Floppy disk
COMPUTER: IBM PC compatible
OPERATIOR SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/07/963,321
FILING DATE: 19921015
CLASSIFICATION NUMBER: US 07/778,223
FILING DATE: 19921015
SPLICA APPLICATION DATA:
APPLICATION NUMBER: US 07/778,223
FILING DATE: 16-07-1991
ATTORNEY/AGENT INFORMATION:
NAME: Smith, William M.
REFERENCY DOCKET NUMBER: 11509-50-1
TELECOMMUNICATION INFORMATION:
TELECOMMUNICATION INFORMATION:
TELECOMMUNICATION INFORMATION:
TELECOMMUNICATION INFORMATION:
TELECOMMUNICATION OF SEQ ID NO: 3:
SEQUENCE CHARACTERISTICS:
INFORMATION FOR SEQ ID NO: 3:
SEQUENCE CHARACTERISTICS:
TYPE: NUCLEIC ACID
STRANDEDNESS: single
TYPE: MOLECULE TYPE: DNA (genomic)
NAME: SMICH, WILLIAM M.
REGISTATION NUMBER: 30,223
REFERENCE/DOCKET NUMBER: 11509-50
TELEPHONE: 415-326-2400
TELEPHONE: 415-326-3200
TELEPHONE: 415-3200
TELEPHONE: 415-3200
TELEPHONE: 415-3200
TELEP
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Patent No. 5338665
GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 ; TOPOLOGY: linear
; MOLECULE TYPE: DNA (genomic)
US-07-778-233B-3
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50.0%; Score 10; DB 1; Length 11;

Query Match

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Best Local Similarity 100.0%; Pred. No. 1.68+03;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 10 CGCGGGGGA 1

Db 10 CGCGGTGGA 1

Search completed; June 23, 2003, 10:17:06

Job time: 32:3147 secs
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us-08-770-564a-7.oligo.rnpb

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Sequence 99917, A Sequence 106052, Sequence 108811, Sequence 118620, Sequence 130018, Sequence 5, Appli
                                                                                                                                                                                                                               Sequence 16, N
Sequence 5, Ap
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                                                                                                                                                                                                                                                                                Sequence
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Sequence
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Sequence
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Lupton, Stephen D.
Mosley, Bruce A.
Dower, Steven K.
TITLE OF INVENTION: Type II Interleukin-1 Receptors
NUMBER OF SEQUENCES: 14
CORRESPONDENCE ADDRESS:
US-10-215-112-11414
US-10-098-263B-26951
US-10-098-263B-42033
US-10-098-263B-42033
US-10-098-263B-92033
US-10-098-263B-99453
US-10-098-263B-99454
US-10-098-263B-99653
US-10-098-263B-99653
US-10-098-263B-99654
US-10-098-263B-108811
US-10-098-263B-118620
US-10-098-263B-118620
US-10-098-263B-130018
US-10-098-263B-130018
US-10-098-263B-130018
US-10-029-314-5
US-09-8199-732-5
US-09-8199-732-5
US-09-8199-732-5
US-09-8199-73-5
US-09-818-478-5
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.24
APPLICATION DATA:
APPLICATION NUMBER: US/10/199,209
FILING DATE: 19-Jul-2002
CLASSIPICATION NUMBER: US/09/461,908
FILING DATE: cuhrnown>
PRIOR APPLICATION NUMBER: US/09/461,908
FILING DATE: cuhrnown>
APPLICATION NUMBER: US/08/091,519
FILING DATE: cuhrnown>
APPLICATION NUMBER: US/07/701,415
FILING DATE: cuhrnown>
APPLICATION NUMBER: US/07/701,415
FILING DATE: 24-AUG-1990
APPLICATION NUMBER: US/07/573,576
FILING DATE: 24-AUG-1990
APPLICATION NUMBER: US 07/573,576
FILING DATE: 13-DEC-1990
ATTORNEY/AGENT INFORMATION:
                                                                                                                                                                                                                                                                                                                                                          ALIGNMENTS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               ADDRESSEE: Immunex Corporation
STREET: 51 University Street
                                                                                                                                                                                                                                                                                                                                                                                                                      Sequence 5, Application US/10199209; Publication No. US20030060616A1 GENERAL INFORMATION:
APPLICANT: Sims, John E.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          ZIP: 98101
COMPUTER READABLE FORM:
     CITY: Seattle
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  COUNTRY: USA
  US-10-199-209-5
   000
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Sequence 5, Appli
Sequence 21566, A
Sequence 2094, Ap
Sequence 110352,
Sequence 129624,
Sequence 12, Appl
Sequence 29, Appl
Sequence 29, Appl
Sequence 29, Appl
Sequence 12, Appl
Sequence 12, Appl
Sequence 12, Appl
Sequence 420, Appl
Sequence 420, Appl
Sequence 420, Appl
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Sequence 16, Appl
Sequence 17, Appl
Sequence 18, Appl
Sequence 20, Appl
                                                                                                    (without alignments)
182.610 Million cell updates/sec
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                                                                                      June 23, 2003, 06:41:29 ; Search time 160.717 Seconds
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1: /cgn2_6/ptodata/1/pubpna/USO7_PUBCOMB.seq:*

2: /cgn2_6/ptodata/1/pubpna/PCT_NEW_PUB.seq:*

3: /cgn2_6/ptodata/1/pubpna/DSO6_NEW_PUB.seq:*

4: /cgn2_6/ptodata/1/pubpna/USO6_NEW_PUB.seq:*

5: /cgn2_6/ptodata/1/pubpna/USO7_NEW_PUB.seq:*

6: /cgn2_6/ptodata/1/pubpna/USO8_NEW_PUB.seq:*

7: /cgn2_6/ptodata/1/pubpna/USO8_NEW_PUB.seq:*

8: /cgn2_6/ptodata/1/pubpna/USO8_NEW_PUB.seq:*

9: /cgn2_6/ptodata/1/pubpna/USO9_NEW_PUB.seq:*

10: /cgn2_6/ptodata/1/pubpna/USO9_NEW_PUB.seq:*

11: /cgn2_6/ptodata/1/pubpna/USO9_NEW_PUB.seq:*

12: /cgn2_6/ptodata/1/pubpna/USO9_NEW_PUB.seq:*

13: /cgn2_6/ptodata/1/pubpna/USO9_NEW_PUB.seq:*

14: /cgn2_6/ptodata/1/pubpna/USO9_NEW_PUB.seq:*

14: /cgn2_6/ptodata/1/pubpna/USO9_NEW_PUB.seq:*

14: /cgn2_6/ptodata/1/pubpna/USO0_NEW_PUB.seq:*
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Compugen Ltd.
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US-10-098-263B-31566
US-10-098-263B-31566
US-10-098-263B-97446
US-10-098-263B-110352
US-10-098-263B-1129624
US-08-961-888-12
US-10-002-304-29
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US-09-487-318-11
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US-09-971-894-12
US-09-909-849-17
US-09-853-526-420
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US-09-930-251-17
US-09-930-251-18
US-10-077-894-20
                                                                                                                                                                                                                                                                           Total number of hits satisfying chosen parameters:
                                                                                                                                                                                                                             1042519 seqs, 733713590 residues
              GenCore version
Copyright (c) 1993 - 2003
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             SUMMARIES
                                                                                                                                                                                                                                                                                                                                            Post-processing: Listing first 45 summaries
                                                            OM nucleic - nucleic search, using sw model
                                                                                                                                                                CCAACTCTTCGCGGTGGCAG 20
                                                                                                                                                                                        OLIGO_NUC
Gapop_60.0 , Gapext 60.0
                                                                                                                                  US-08-770-564A-7
20
1 CCAACTCTTCGCCCT
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Match Length
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; Publication No. US20030104410A1
; GENERAL INFORMATION:
    APPLICANT: Mittman, Michael
; TILLS OF INVENTION: Human Microarray
    FILE REFERENCE: 3118.118.12
; CURRENT APPLICATION UNMBER: US/10/098,263B
; CURRENT FILING DATE: 2003-01-08
; PRIOR APPLICATION NUMBER: 60/276,759
; PRIOR FILING DATE: 2001-03-16
; SOFTWARE: Microarray Probe Sequence Listing Generator V 1.1
SEQ ID NO 97446
; LENGTH 25
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     ## Sequence 110352.

## Sequence 110352.

## Publication No. US20030104410A1

## Publication No. US20030104410A1

## REPERAL INFORMATION:

## APPLICANT: Mittman, Michael

## TILE OF INVENTION: Human Microarray

## FILE REFERENCE: 3118.

## CURRENT APPLICATION NUMBER: US/10/098,263B

## CURRENT APPLICATION NUMBER: 05/276,759

## PRIOR APPLICATION NUMBER: 60/276,759

## PRIOR FILING DATE: 2001-03-16

## NUMBER OF SEQ ID NOS: 131066

## SEQ ID NO 110352

## LENGTH: 25

## LENGTH: 25
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                                                                                                                                                                                                      Length 24;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Length 25;
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leg 0; Indels
                                                                                                                                                                                                                                                         Indels
                                                TYPE: DNA CAGANISM: Artificial Sequence PRATURE: PRATURE: PRATURE: COTHER INFORMATION: Computer Generated Probe Sequence. US-09-940-185-2094
                                                                                                                                                                                                      DB 9; Le
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      55.0%; Score 11; DB 9; 100.0%; Pred. No. 1.4e+0: tive 0; Mismatches
                                                                                                                                                                                                         Score 11;
Pred. No.
                                                                                                                                                                                      55.0%; Scc...
100.0%; Pred
0; N
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Best Local Similarity 100.
Matches 11; Conservative
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Best Local Similarity 100.
Matches 11; Conservative
                                                                                                                                                                                                                                                            11; Conservative
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                                                                                                                                                                                                                                                                                                            2 CAACTCTTCGC 12
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  3 CTCTTCGCGGT 13
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ORGANISM: Homo sapien
US-10-098-263B-110352
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   ; TYPE: DNA
; ORGANISM: Homo sapien
US-10-098-263B-97446
                                                                                                                                                                                                    Query Match
Best Local Similarity
Matches 11; Conserv
                                                                                                                                                                                                                                                                                                                                                                                                                                           RESULT 4
US-10-098-263B-97446
  SEQ ID NO 2094
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| Sequence 2094, Application US/09940185
| Publication No. US20030096239A1
| GENERAL INFORMATION:
| APPLICANT: Gunderson, Kevin
| APPLICANT: Chee, Mark
| TITLE OF INVENTION: Probes and Decoder Oligonucleotides
| FILE REFERENCE: A-69605-1
| CURRENT FILING DATE: 2001-08-27
| PRIOR FILING DATE: 2000-08-25
| PRIOR FILING DATE: 2000-08-29
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             APPLICAT: Mittan, Michael
TITLE OF INVENTION: Human Microarray
FILE REFRENCE: 3118.1
CURRENT APPLICATION WUMBER: US/10/098,263B
CURRENT PILING DATE: 2003-01-08
FRICR APPLICATION NUMBER: 60/276,759
PRIOR FILING DATE: 2001-03-16
NUMBER OF SEQ ID NOS: 131066
SOFTWARE: Microarray Probe Sequence Listing Generator V 1.1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Query Match 65.0%; Score 13; DB 9; Length 46; Best Local Similarity 100.0%; Pred. No. 81; Matches 13; Conservative 0; Mismatches 0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Query Match 60.0%; Score 12; DB 9; Length 25;
Best Local Similarity 100.0%; Pred. No. 3.5e+02;
Matches 12; Conservative 0; Mismatches 0; Indels
NAME: Wight, Christopher L.
REGISTRATION NUMBER: 31660
REFERENCE/DOCKET NUMBER: 2003-C
TELECOMMUNICATION INFORMATION:
TELEPHONE: 206-233-0644
INFORMATION FOR SEQ ID NO: 5:
SEQUENCE CHARACTERISTICS:
LENGTH: 46 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
                                                                                                                                                                                                                                                                                          TOPOLOGY: linear MOLECULE TYPE: DNA (genomic) HYPOTHETICAL: N ANTI-SENSE: N SEQUENCE DESCRIPTION: SEQ ID NO: 5:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  US-10-098-263B-31566
; Sequence 31566; Application US/10098263B
; Publication No. US20030104410A1
; GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 3 AACTCTTCGCGGT 15
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              25 AACTCTTCGCGGT 37
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   6 TCTTCGCGGTGG 17
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  ; ORGANISM: Homo sapien
US-10-098-263B-31566
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       US-09-940-185-2094/c
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LENGTH: 25
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Gaps

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APPLICANT: Herrmann, John
TITLE OF INVENTION: No. US20030032095Alel Nucleic Acid Sequences Encoding Human Sema,
TITLE OF INVENTION: No. US20030032095Alel Nucleic Acid Sequences Encoding Human Sema,
CURRENT APPLICATION NUMBER: US/10/002,050
CURRENT FILING DATE: 2001-11-02
PRIOR APPLICATION NUMBER: 09/604,286
PRIOR PLING DATE: 2000-06-22
PRIOR PLING DATE: 1999-06-23
PRIOR PLING DATE: 1999-06-23
NUMBER OF SEQ ID NOS: 49
SOFTWARE: Patentin Ver. 2.0
SEQ ID NO 29
LENGTH...36
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    and polypeptides encoded thereby
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       OTHER INFORMATION: Description of Artificial Sequence: chemically OTHER INFORMATION: synthesized
                                                                                                             ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             ö
                                                              55.0%; Score 11; DB 8; Length 36; 100.0%; Pred. No. 1.4e+03; tive 0; Mismatches 0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             55.0%; Score 11; DB 9; Length 36; 100.0%; Pred. No. 1.4e+03; tive 0; Mismatches 0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                APPLICANT: Fernandes, Elma APPLICANT: Vernet, Corine APPLICANT: Vernet, Corine APPLICANT: Vernet, Corine APPLICANT: Vang, Meijia APPLICANT: Boldog, Ferench TITLE OF INVENTION: Polynuclectides and poly TITLE OF INVENTION: Polynuclectides and poly CURRENT APPLICATION NUMBER: US/10/02,304 CURRENT APPLICATION NUMBER: US/10/02,304 PRIOR PILING DATE: 2000-11-02 PRIOR PILING DATE: 2000-06-22 PRIOR FILING DATE: 1999-06-23 PRIOR FILING DATE: 1999-06-23 NUMBER OF SEQ ID NOS: 49 SEQ ID NO 29
                                                                                                                                                                                                                                                                                                           ; Sequence 29, Application US/10002050; Publication No. US20030032095A1; GENERAL INFORMATION: APPLICANT: Shimkete, Richard
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                RESULT 9
US-10-002-304-29
US-10-002-304-29
; Sequence 29, Application US/10002304
; Publication No. US20030036185A1
; GENERAL INFORMATION:
; APPLICANT: Shimkets, Richard
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     TYPE: DNA ORGANISM: Artificial Sequence
                                         Query Match
Best Local Similarity 100..
                                                                                                                                                                                                                                                                                                                                                                                                        Fernandes, Elma
                                                                                                                                                                                                                                                                                                                                                                                                                         APPLICANT: Vernet, Corine
APPLICANT: Yang, Meijia
APPLICANT: Boldog, Ferenc
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           11; Conservative
                                                                                                                                                       5 CTCTTCGCGGT 15
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TOPOLOGY: linear
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Best Local Similarity
      ,
US-08-961-888-12
                                                                                                                                                                                                                                                                    RESULT 8
US-10-002-050-29
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Sequence 12, Application US/08961888

Patent No. US20010016351A1

GENERAL INFORMATION:

APPLICANT: Padgett, Kerstien

APPLICANT: Sorge, Joseph

TITLE OF INVENTION: No. US20010016351A1e1 Vector For Gene Expression

TITLE OF INVENTION: In Prokaryotic And Eukaryotic Systems

TORRESPONDENCE ADDRESS:

ADDRESSEE: Howrey & Simon
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Gaps
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                                                                                                                                         APPLICANT MICHAEL
TITLE OF INVENTION: Human Microarray
FILE REFERENCE: 3118.1
CURRENT APPLICATION NUMBER: US/10/098,263B
CURRENT FILING DATE: 2003-01-08
PRIOR APPLICATION NUMBER: 00/276,759
PRIOR FILING DATE: 2001-03-16
NUMBER OF SEQ ID NOS: 131066
SOFTWARE: Microarray Probe Sequence Listing Generator V 1.1
LENGTH: 25
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      0; Indels
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Pred. No. 1.4e+03;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              COUNTRY: USA
ZIP: 20004-2402
COMPUTER READBLE PORM:
MEDIUM TYPE: Diskette
COMPUTER: IBM Compatible
OPERATING SYSTEM: DOS
SOFTWARE: PESTSEC for Windows Version 2.0
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/961,888
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    0; Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     STATE: DC STATE DC STATE COLUMN N.W.
                                                                               Sequence 129624, Application US/10098263B Publication No. US20030104410A1 GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER:
FILING DATE:
ATTORNEY/AGENT INFORMATION:
NAME: AMERICAL, Jeffrey I
RECISTRATION NUMBER: 32,680
REFERENCE/DOCKET NUMBER: 32
TELECOMMUNICATION INFORMATION:
TELECOMMUNICATION INFORMATION:
TELEPHONE: 202 383-7451
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Query Match 55.0%; Best Local Similarity 100.0%; Matches 11; Conservative 0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             INFORMATION FOR SEQ ID NO:
SEQUENCE CHARACTERISTICS:
LENGTH: 36 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                1 CCAACTCTTCG 11
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US-10-098-263B-129624
                                                              JS-10-098-263B-129624
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Gaps

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Gaps
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; Patent No. US20020106754A1
; GENERAL INFORMATION:
APPLICANT: Tauch, Andreas
; TITLE OF INVENTION: Nucleotide Sequences Which Code for the alr Gene
; FILE REFERENCE: 032301 WD 173
; CURRENT APPLICATION NUMBER: US/09/909,849
; CURRENT FILING DATE: 2001-07-23
; NUMBER OF SEQ ID NOS: 20
; SOFTWARE: Patentin version 3.1
; LENGTH: 20
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        0; Indels
                                                                                                                                                                                                                                                                                        Length 20;
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6.1e+03;
                                                                                                                                                                                                                                                                                     Query Match
50.0%; Score 10; DB 9; L
Best Local Similarity 100.0%; Pred. No. 6.1e+03;
Matches 10; Conservative 0; Mismatches 0;
                                                                                                                                                                                                             ; OTHER INFORMATION: Synthetic oligonucleotide US-09-971-894-12
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Query Match 50.0%; Score 10; DB Best Local Similarity 100.0%; Pred. No. 6.1 Matches 10; Conservative 0; Mismatches
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APPLICANT: Cohen, Daniel
APPLICANT: Cohen, Daniel
APPLICANT: Blumenfeld, Marta
APPLICANT: Ilya, Chumakov
APPLICANT: Bougueleret, Lydie
TITLE OF INVENTION: PROSTATE CANCER GENE
FILE REFERENCE: GENEST: 180°109/653,526
CURRENT APPLICATION NUMBER: US/09/653,526
CURRENT FILING DATE: 2001-05-11
PRIOR PELLING DATE: 1999-06-23
PRIOR PELLING DATE: 1999-06-23
PRIOR PLILNG DATE: 1997-12-22
PRIOR APPLICATION NUMBER: 08/996,306
PRIOR PLILNG DATE: 1997-12-22
PRIOR PLILNG DATE: 1998-09-09
PRIOR PELING DATE: 1998-12-22
PRIOR PELING DATE: 1998-12-22
PRIOR PELING DATE: 1998-12-22
PRIOR PELING DATE: 1998-12-22
NUMBER OF SEQ ID NOS: 578
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     ; TYPE: DNA; Corynebacterium glutamicum US-09-909-849-17
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           ; Sequence 420, Application US/09853526; Patent No. US20020165345A1; GENERAL INFORMATION:
PRIOR FILING DATE: 1999-12-27
NUMBER OF SEQ ID NOS: 42
SOFTWARE: Patentin version 3.1
SEQ ID NO 12
LENGTH: 20
                                                                                                                                  TYPE: DNA ORGANISM: Artificial sequence
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US-09-909-849-17
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; Sequence 29, Application US/10003152
; Patent No. US20020151494A1
; GENERAL INFORMATION:
; APPLICANT: Shinkets, Richard
; APPLICANT: Vernet, Corine
; APPLICANT: Herrands, John
; APPLICANT: Herrann, John
; TITLE OF INVENTION: No. US20020151494A1e1 Amino Acid Sequences for Human Semaphorin-I
; TITLE OF INVENTION: No. US20020151494A1e1 Amino Acid Sequences for Human Semaphorin-I
; FILE REFERENCE: 15966-554 Cura-54 CON-512
; CURRENT FILING DATE: 2000-16-22
; PRIOR FILING DATE: 2000-06-22
; PRIOR FILING DATE: 1999-06-23
; NUMBER OF SEQ ID NOS: 49
; SOFTWARE: DatentIn Ver. 2.0
; SED IN NO. 20
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APPLICANT: Gur-Arie, Riva
APPLICANT: Gur-Arie, Riva
APPLICANT: Gur-Arie, Riva
APPLICANT: Gohen, Cyril
APPLICANT: Bitan, Yuval
APPLICANT: Bitan, Yuval
APPLICANT: Bitan, Yuval
APPLICANT: Hallerman, Exic
APPLICANT: Hallerman, Exic
APPLICANT: Hallerman, Bric
CURRENT APPLICATION NUMBER: US/09/971,894
CURRENT FILING DATE: 1999-12-27
PRIOR APPLICATION NUMBER: US 09/472,035
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                                                                                                             ; OTHER INFORMATION: Description of Artificial Sequence: chemically; OTHER INFORMATION: synthesized US-10-002-304-29
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                OTHER INFORMATION: Description of Artificial Sequence:chemically OTHER INFORMATION: synthesized US-10-003-152-29
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Best Local Similarity 100.0%; Pred. No.
Matches 11; Conservative 0; Mismatch
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   TYPE: DNA
ORGANISM: Artificial Sequence
                                     TYPE: DNA
ORGANISM: Artificial Sequence
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**** Conservative
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US-09-971-894-12/c
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             LENGTH: 36
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US-09-487-318-11
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                                             NAME/KEY: misc feature; LOCATION: 1..21
COCHER INNERMATION: downstream amplification primer for SEQ 257, SEQ 334
US-09-853-526-420
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                                                                                                                                                                     Query Match 50.0%; Score 10; DB 9; Length 21; Best Local Similarity 100.0%; Pred. No. 6e+03; Matches 10; Conservative 0; Mismatches 0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    GENERAL INFORMATION:
GENERAL INFORMATION:
APPLICANT: Cohen, Daniel
APPLICANT: Chumakov, Ilya
APPLICANT: Buumenfeld, Marta
APPLICANT: Buumenfeld, Marta
APPLICANT: Bougueleret, Lydie
TITLE OF INVENTION: Prostate Cancer Gene
FILE REFERENCE: GEN-TILIXC3D2
CURRENT APPLICATION NUMBER: US/09/901,484A
CURRENT FILING DATE: 2001-07-09
PRIOR APPLICATION NUMBER: US 09/956,306
PRIOR APPLICATION NUMBER: US 09/99,658
PRIOR APPLICATION NUMBER: US 09/218,207
PRIOR PILING DATE: 1998-10-22
PRIOR PILING DATE: 1999-06-23
PRIOR PILING DATE: 1999-06-23
PRIOR APPLICATION NUMBER: US 09/338,907
PRIOR PILING DATE: 2001-05-11
NUMBER OF SEQ ID NOS: 578
SOFTHARE: PetentIn version 3.1
LENGTH.21
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APPLICANT: Reid, Lola M
APPLICANT: Nicholas, Moss
APPLICANT: Hicholas, Moss
TITLE OF INVENTION: Human Liver Progenitors
FILE REFERENCE: 212875-00101
CURRENT APPLICATION NUMBER: US/09/487,318
PRIOR APPLICATION NUMBER: US 60/116,331
                                                                                                                                                                                                                                                                                                                                                                                                                  S-09-901-484A-420
Sequence 420, Application US/09901484A
Patent No. US20020119460Al
GENERAL INFORMATION:
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; Sequence 11, Application US/09487318
; Publication No. USZ0020182188A1
; GENERAL INFORMATION:
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ORGANISM: Homo Sapiens
FEATURE:
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ORGANISM: Homo sapiens
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           NAME/KEY: misc feature
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Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.
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ptodata/2/pna/US6030_COMB.seq:
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ptodata/2/pna/US6015_COMB.seq:
ptodata/2/pna/US6016_COMB.seq:
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|ptodata/2/pna/US6019<sup>-</sup>
|ptodata/2/pna/US6020<sup>-</sup>
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Match 1
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No.
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| cgn2_6/ptodata/2/pna/US08_COMB.seq:*
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| cgn2_6/ptodata/2/pna/US09_COMB.seq:*
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| cgn2_6/ptodata/2/pna/US095_COMB.seq:*
| cgn2_6/ptodata/2/pna/US095_COMB.seq:*
| cgn2_6/ptodata/2/pna/US095_COMB.seq:*
| cgn2_6/ptodata/2/pna/US095_COMB.seq:*
| cgn2_6/ptodata/2/pna/US095_COMB.seq:*
| cgn2_6/ptodata/2/pna/US095_COMB.seq:*
| cgn2_6/ptodata/2/pna/US096_COMB.seq:*
| cgn2_6/ptodata/2/pna/US096_COMB.s
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5.1.6
Compugen Ltd.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Total number of hits satisfying chosen parameters:
   GenCore version
Copyright (c) 1993 - 2003
                                                                                                                                 nucleic search, using sw model
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Post-processing: Listing first 45 summaries
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Gapop_60.0 , Gapext 60.0
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20
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seq length: 50
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                                                                                                                                                                                                                                                                                                                            Title:
Perfect score:
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Maximum DB e
                                                                                                                                 OM nucleic
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Searched:
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Sequence 105231, Sequence 105231, Sequence 15, Appli Sequence 7, Appli Sequence 5, Appli Sequence 5, Appli Sequence 5, Appli Sequence 14041, A Sequence 14041, A Sequence 14041, A Sequence 14041, A Sequence 110441, A Sequence 110441, A Sequence 110441, A

336633361 336633361 3366336 3366336 336633

PCT-US97-23619-5 1 US-08-770-564A-5 1 US-08-770-564A-5 1 US-09-956-604A-105231 5 US-09-956-604B-105231 6 US-09-956-604B-105231 1 US-08-234-049-86453 1 US-08-231-634-15 1 US-08-431-893A-5 2 US-08-431-893A-5 3 US-09-461-908-5 8 US-09-461-908-5 9 US-10-199-209-5 1 US-10-199-209-5 1 US-10-199-209-5

Sequence 235506, Sequence 235507,

US-10-227-563-14041 US-09-660-220-6083 US-09-660-220-112414 US-09-660-220-112414 US-09-956-584-235506 US-09-956-584-235507

Sequence 7, Appli Sequence 7, Appli Sequence 5, Appli Sequence 5, Appli Sequence 105231,

Sequence 7, Sequence 7 Sequence 5,

Description

SUMMARIES

Gaps

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Sequence 7, Application US/08770564A

GENERAL INFORMATION:
APPLICANT: Realey, James T.
APPLICANT: Weinrich, Scott L.
TITLE OF INVENTION: Inhibitory Polynucleotides Directed
TITLE OF INVENTION: Inhibitory RNA Component of Telomerase
NUMBER OF SEQUENCES: 15
CORRESPONDENCE ADDRESS:
ADDRESSEE: TOWNSEND and TOWNSEND and CREW LLP
STREET: TWO Embarcadero Center, 8th Floor
CITY: San Francisco
                                                                                                                                                                                                                                                                                                   Ouery Match
Best Local Similarity 100.0%; Pred. No. 0.2;
Matches 20; Conservative 0; Mismatches 0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             COUNTY:

COUNTY:

SIP: 94111

COMPUTER READABLE FORM:

MEDIUW TYPE: Floppy disk

COMPUTER: IBM PC compatible

OPERATING SYSTEM: PC-DOS/MS-DOS

SOFTWARE: Patentin Release #1.0, Version #1.30

CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/08/770,564A

PILING DATE: 20-DEC-1996

CLASSIFICATION: 5.44

ATTORNEY/AGENT INFORMATION:

NAME: Storella, John R.

REGISTRATION NUMBER: 32,944

REGISTRATION NUMBER: 32,944

REFERENCE/POCKET UNBER: 31,944

REGISTRATION INFORMATION:

TELECHOME: 415-576-2200
                                                                                                                                                                                                ; LOCATION: 1..20
; OTHER INFORMATION: /note= "oligo 16bc"
PCT-US97-23619-7
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INFORMATION FOR SEQ ID NO:
SEQUENCE CHARACTERISTICS:
LENGTH: 20 base pairs
LENGTH: 20 base pairs
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     STRANDEDNESS: single
                             TYPE: nucleic acid
STRANDEDNESS: single
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              TYPE: nucleic acid
                                                                              linear
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Query Match
Best Local Similarity
Matches 20; Conserv
                                                                                 TOPOLOGY: linear MOLECULE TYPE: DNA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             CA
CA
USA
                                                                                                                                                          NAME/KEY:
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US-08-770-564A-7
                                                                                                                                           FEATURE:
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                                                                                                                                                                                                                                                                                       Sequence 615469,
Sequence 625356,
Sequence 654361,
                                                                                                                                                                                                                                                                                                                                                                         Sequence 13, Appl
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Sequence 438619,
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APPLICANT:
APPLICANT
                                     Sequence Sequence
                                                                                                                       Sequence Sequence 3
                                                                                                                                                                         Sequence
                                                                                             Sequence
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COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: PCT/US97/23619
FILING DATE: Not yet assigned
CLASSIFICATION:
     US-07-623-729A-13
US-07-748-564A-64
US-08-473-020-13
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PRIOR APPLICATION NUMBER: US 08/770,564
PILING DATE: 20-DEC-1996
PRIOR APPLICATION NUMBER: US 08/770,565
PRIOR APPLICATION NUMBER: US 08/770,565
PILING DATE: 20-DEC-1996
ATTORNEY, AGENT INFORMATION:
NAME: Storella, John R.
REGISTRATION NUMBER: 15389-27PC
TELECOMMUNICATION INFORMATION:
TELEPHONE: (415) 576-0200
TELEPHONE: (415) 576-0300
TELEPHONE: (415) 576-0300
TELEPHONE SEQ ID NO: 7:
SEQUENCE CHARACTERISTICS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          ALIGNMENTS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Sequence 7, Application PC/TUS9723619 GENERAL INFORMATION:
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PCT-US97-23619-7
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                          Gaps
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100.0%; Score 20; DB 11; Length 20; 100.0%; Pred. No. 0.2;
                          Indels
                          0, Mismatches
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PCT-US97-23619-5
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Gaps
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        APPLICANT MITTING NICHAEL

TITLE OF INVERTION: Methods of Genetic Analysis of Escherichia coli
FILE REPERENCE: 3117.1

CURRENT APPLICATION NUMBER: US/09/956,604

CURRENT FILING DATE: 2001-09-19

PRIOR FILING DATE: 2000-09-19

PRIOR FILING DATE: 2000-09-19

SOFTWARE: Microarray Probe Sequence Listing Generator V 1.1

SEQ ID NO 105231

LENGTH: 25
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                                                                                                                            COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/770,564A
FILING DATE: 20-DEC-1996
CLASSIFICATION: 514
ATTONEY/AGENT INFORMATION:
NAME: Storella, John R:
REGISTRATION NUMBER: 32,944
REBERENCE/DOCKET NUMBER: 32,944
REBERENCE/DOCKET NUMBER: 015389-002200US
TELECOMMUNICATION INFORMATION:
TELEPRAK: 415-576-0200
       3: TOWNSEND and TOWNSEND and CREW LLP Two Embarcadero Center, 8th Floor
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Query Match 100.0%; Score 20; DE Best Local Similarity 100.0%; Pred. No. 0.2 Matches 20; Conservative 0; Mismatches
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Pred. No.
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; Sequence 105231, Application US/09956604A
; GENERAL INFORMATION:
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100.0%; Pre
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Query Match
Best Local Similarity 100.0
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  TELEFAX: 415-576-0300
INFORMATION FOR SEQ ID NO:
SEQUENCE CHARACTERISTICS:
LENGTH: 30 base pairs
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
                       STREET: TWO MINTERSO
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           linear
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US-09-956-604-105231/c
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                                                                                                                   94111
       ADDRESSEE:
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                                                                      STATE: C
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                                                                                                                                                                                Methods for Detecting and Inhibiting the RNA Component of Telomerase
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GENERAL INFORMATION:
APPLICANT: Kealey, James T.
APPLICANT: Pruzan, Ron
APPLICANT: Weinrich, Scott L.
TITLE OF INVENTION: Inhibitory Polymucleotides Directed
TITLE OF INVENTION: Against the RNA Component of Telomerase
NUMBER OF SEQUENCES: 15
CORRESPONDENCE ADDRESS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Query Match .100.0%; Score 20; DB 1; Length 30; Best Local Similarity 100.0%; Pred. No. 0.2; Matches 20; Conservative 0; Mismatches 0; Indels
                                                                                                                                                                                                                                                                                                                                                                        COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: Floppy disk
COMPUTER: EN PC compatible
COMPUTER: THE PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: PCT/US97/23619
FILING DATE: Not yet assigned
CLASSIPICATION:
                                                                                                                                 APPLICANT:
APPLICANT:
TITLE OF INVENTION: Methods for Detecting and InTILE OF INVENTION: RNA COMPONENT of Telomerase NUMBER OF SEQUENCES: 29
CORRESPONDENCE ADDRESS:
ADDRESSEE: Townsend and Townsend and Crew LLP
                                                                                                                                                                                                                                                                                             STREET: Two Embarcadero Center, Eighth Floor CITY: San Francisco ATTE: California COUNTRY: USA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/770,564
APPLICATION NUMBER: US 08/770,564
FILING DATE: 20-DEC-1996
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/770,565
ATTORNEY/AGENT INFORMATION:
NAME: Storella, John R.
REGISTATION NUMBER: 32,944
REFERENCE/DOCKET NUMBER: 15389-27PC
TELECOMMUNICATION INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  ; LOCATION: 1..30
; OTHER INFORMATION: /note= "oligo 16"
PCT-US97-23619-5
Sequence 5, Application PC/TUS9723619 GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             1 CCAACTCTTCGCGGTGGCAG 20
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           TELEPHONE: (415) 576-0200
TELEPHONE: (415) 576-0300
INPORMATION FOR SEQ ID NO: 5:
SEQUENCE CHARACTERISTICS:
LENGTH: 30 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     MOLECULE TYPE: DNA FEATURE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     FOPOLOGY: linear
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                      Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                        ADDRESSEE: Townsend and Townsend and Crew STREET: One Market Plaza, Steuart Tower, Suite 2000
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          SOFTWARE: Patentin Release #1.0, Version #1.25 CURRENT APPLICATION DATA:
                        ö
                                                                                                                                                                                                                          Sequence 15, Application US/08521634
GENERAL INFORMATION:
APPLICANT: Villeponteau, Bryant
APPLICANT: Feng, Junil
APPLICANT: Funk, Walter
APPLICANT: Funk, Walter
TITLE OF INVENTION: Mammalian Telomerase
NUMBER OF SEQUENCES: 66
CORRESPONDENCE ADDRESS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       100.0%; Prec. ... 0; Mismatches
red. No. 3;
Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    REFERENCE/DOCKET NUMBER: 15389-000850
TELECOMMUNICATION INFORMATION:
TELEPHONE: 415-326-2400
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     APPLICATION NUMBER: US/08/521,634
FILING DATE: 31-AUG-1995
CLASSIPICATION: 435
FILING DATE: 31-AUG-1995
FILING DATE: 7-UN-1995
FILING DATE: 7-UN-1994
  Pred. No.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               TOPOLOGY: linear MOLECULE TYPE: DNA (oligonucleotide)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
Best Local Similarity 100.0%; P
Matches 18; Conservative 0;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Query Match
Best Local Similarity 100.
Matches 16; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy
                                                                        2 CAACTCTTCGCGG
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       CITY: San Francisco
STATE: California
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  TYPE: nucleic act
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US-08-521-634-15/c
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US-07-941-648-7
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      COUNTRY:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    g
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TITLE OF INVENTION: Methods of Genetic Analysis of Escherichia coli
FILE REFERENCE: 3117.1
CURRENT APPLICATION NUMBER: US/09/956,604B
CURRENT PEDELICATION NUMBER: 60/234,049
PRIOR PILING DATE: 2000-09-19
NUMBER OF SEQ ID NOS: 141629
SSOFTARE: Microarray Probe Sequence Listing Generator V 1.1
SSOFTARE: 155
       TITLE OF INVENTION: Methods of Genetic Analysis of Escherichia coli
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                                                                                                                                                                                                                                                                                                                                        Query Match 90.0%; Score 18; DB 36; Length 25; Best Local Similarity 100.0%; Pred. No. 3; Matches 18; Conservative '0; Mismatches 0; Indels
                           FILE REFERENCE: 3117.1

CURRENT APPLICATION NUMBER: US/09/956,604A

CURRENT FILING DATE: 2001-09-19

PRIOR APPLICATION NUMBER: 60/234,049

PRIOR FILING DATE: 2000-09-19

NUMBER OF SEQ ID NOS: 141629

SEQ TRARE: Microarray Probe Sequence Listing Generator V 1.1

SEQ ID NO 105231

LENGTH: 25
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APPLICANT: Mittmann, Michael
APPLICANT: Affwettrix, Inc.
TITLE OF INVENTION: Methods of Genetic Analysis of
TITLE OF INVENTION: Becherichia coli
FILE REPERBANCE: 3117
CURRENT APPLICATION NUMBER: US/60/234,049
CURRENT PILING DATE: 2000-09-19
NUMBER OF SEQ ID NOS: 141629
SOFTWARE: FastSEQ for Windows Version 4.0
SEQ ID NO 86453
LENGTH: 25
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Mismatches
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ORGANISM: Bschericia coli
PUBLICATION INFORMATION:
DATABASE ACCESSION NUMBER: GenBank U00096
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Sequence 105231, Application US/09956604B GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Sequence 86453, Application US/60234049 GENERAL INFORMATION:
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100.0%; Pre
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            ; ORGANISM: Escherichia coli
US-09-956-604B-105231
                                                                                                                                                                                                                                                                       ; ORGANISM: Escherichia coli
US-09-956-604A-105231
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Query Match 90.0
Best Local Similarity 100.
Matches 18; Conservative
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          TYPE: DNA
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                                                                                                                                                                                                                                                      TYPE: DNA
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OPERATING SYSTEM: System 7.6
SOFTWARE: Microsoft Word of Power Macintosh 6.0.1
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/441,893A
FILING DATE: 16-MAY-1995
CLASSIFICATION DATA:
APPLICATION NUMBER: US 07/534,193
FILING DATE: 05-JUN-1990
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 07/573,576
FILING DATE: 24-AUG-1990
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 07/627,071
FILING DATE: 13-DEC-1990
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 07/701,415
FILING DATE: 13-DEC-1990
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/091,519
FILING DATE: 12-JULY-1993
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/242,211
APPLICATION NUMBER: US 08/242,211
APPLICATION NUMBER: US 08/242,211
APPLICATION NUMBER: US 08/242,211
APPLICATION NUMBER: US 08/24,631
ATTORIEXTA APPLICATION NUMBER: US 08/242,211
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100.08; Pr.
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MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC Compatible
OPERATING SYSTEM: PC-DOS/MS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   DNA (genomic)
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SEQUENCE CHARACTERISTICS:
LENGTH: 46 base pairs
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            TYPE: nucleic acid
STRANDEDNESS: single
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          linear
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MOLECULE TYPE:
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ZIP: 98101
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             APPLICANT: Sims, John B.
APPLICANT: Cosman, David J.
APPLICANT: Lupton, Stephen D.
APPLICANT: Lupton, Stephen D.
APPLICANT: Mosley, Bruce A.
APPLICANT: Mosley, Steven K.
TITLE OF INVENTION: Type II Interleukin-1 Receptors
NUMBER OF SEQUENCES: 20
CORRESPONDENCE ADDRESS:
ADDRESSEE: Immunex Corporation
STREET: 51 University Street
CITY: Seattle
STATE: WA
CCUMTRY: USA
                                                                                                                                                                                                                                                                                                                                                       COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/07/941,648
FILING DATE: 19220908
CLASSIFICATION: 435
ATTORNEY/AGENT INPORATION:
NAME: WIGHT, CHRISTOPHER L.
REGISTRATION NUMBER: 31,680
REFERENCE/DOCKET NUMBER: 2809
TELECOMMUTICATION INFORMATION:
TELECOMMUTICATION INFORMATION:
TELECOMMUTICATION INFORMATION:
TELECOMMUTICATION INFORMATION:
SEQUENCE CHARACTERISTICS:
LENGTH: 46 base pairs
TYPE: NUCLEIC ACID
STRANDEDNESS: single
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      6e+03;
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MEDIUM TYPE: Ploppy disk
COMPUTER: Apple Power Macintosh 7200/90
                                                  APPLICANT: BECKNANN, M. P.
APPLICANT: GOODWIN, RAYMOND G.
APPLICANT: GRIA, JUDITH G.
APPLICANT: ARMITAGE, RICHARD J.
TITLE OF INVENTION: CD27 LIGAND
NUMBER OF SEQUENCES: 8
CORRESPONDENCE ADDRESS:
ADDRESSEE: IMMUNEX CORPORATION
STREET: 51 UNIVERSITY STREET
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Sequence 5, Application US/08441893A GENERAL INFORMATION:
       Sequence 7, Application US/07941648 GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Query Match
Best Local Similarity 100.0%; Powatches 13; Conservative 0;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  TOPOLOGY: linear
MOLECULE TYPE: DNA (genomic)
HYPOTHETICAL: NO
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          3 AACTCTTCGCGGT 15
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COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy
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IMMEDIATE SOURCE:
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                                                                                                                                                                                                                                                                       CITY: SE
STATE: WI
COUNTRY:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         JS-08-441-893A-5
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Lupton, Stephen D.
Mosley, Bruce A.
Dower, Steven K.
TITLE OF INVENTION: Type II Interleukin-1 Receptors
NUMBER OF SEQUENCES: 14
CORRESPONDENCE ADDRESS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Score 13; DB 18;
Pred. No. 2.6e+03;
0; Mismatches 0;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.24
CURRENT APPLICATION DATA: US/10/199,209
FILING DATE: 19-Jul-2002
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               ADDRESSEE: Immunex Corporation
STREET: 51 University Street
                                                                                                                                                                                                                                        APPLICATION NUMBER: US 07/534,193
FILING DATE: 06-JUN-1990
RIOR APPLICATION DATA:
APPLICATION NUMBER: US 07/573,576
FILING DATE: 24-AUG-1990
RRIOR APPLICATION DATA:
APPLICATION NUMBER: US 07/627,071
FILING DATE: 13-DEC-1990
ATTORNEY/AGENT INFORMATION:
                                                                                                                                      PRIOR APPLICATION DATA:
APPLICATION NUMBER: US/08/091,519
FILING DATE:
APPLICATION NUMBER: US/07/701,415
                                                         CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/461,908
                 SYSTEM: PC-DOS/MS-DOS
Patentin Release #1.24
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              65.0%; Sc. 100.0%; Pre
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Sequence 5, Application US/10199209
GENERAL INFORMATION:
APPLICANT: Sims, John E.
                                                                                                                                                                                                                                                                                                                                                                                                                             NAMB: Wight, Christopher L. REGISTRATION NUMBER: 31680 REFERENCE/DOCKET NUMBER: 20
IBM PC compatible
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          TELECOMMUNICATION INFORMATION TELEPHONE: 206-587-5570
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    COMPUTER READABLE FORM:
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Best Local Similarity 100.
Matches 13; Conservative
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            46 base pairs
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                TYPE: nucleic acid
STRANDEDNESS: single
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Seattle
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               ZIP: 98101
                     OPERATING SYSTEM:
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                                                                                                                         CLASSIFICATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          TOPOLOGY: 111
MOLECULE TYPE:
                                                                                                                                                                                                                           FILING DATE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              HYPOTHETICAL:
                                                                                                    FILING DATE
                                        SOFTWARE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     US-10-199-209-5
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APPLICANT: Cosman, David J.
APPLICANT: Lupton, Stephen D.
APPLICANT: Mosley, Bruce A.
APPLICANT: Mosley, Bruce A.
APPLICANT: Dower, Steven K.
ITILE OF INVENTION: Type II Interleukin-1 Receptors
NUMBER OF SEQUENCES: 14
                                                                                                                                                                                                                                          PRIOR PAPELICATION DATA:
PRIOR PAPELICATION DATE:
PRIOR PAPELICATION DATE:
PRIOR PAPELICATION DATE:
APPELICATION NUMBER: US 07/627,071
FILING DATE: 13-DEC-1990
PRIOR PAPELICATION DATE:
APPLICATION NUMBER: US 08/091,519
FILING DATE: 16-MAX-1991
PRIOR APPLICATION NUMBER: US 08/091,519
FILING DATE: 12-UULX-1993
PRIOR APPLICATION NUMBER: US 08/242,211
FILING DATE: 13-MAX-1994
FILING DATE: 13-MAX-1994
ATTORNEY, AGENT INFORMATION:
                                                                                                 PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/441,893
FILING DATE: 16-MAY-1995
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 07/534,193
FILING DATE: 05-UN-1990
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 07/573,576
                                          APPLICATION NUMBER: US/09/252,006A
FILING DATE: 16-FEBRUARY-1999
    SOFTWARE: Patentin Release #1.24 CURRENT APPLICATION DATA:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               NAME: Henry, Janis C.
REGISTRATION NUMBER: 34,347
REFERENCE/DOCKET NUMBER: 2003-H
IELECOMMUNICATION INFORMATION:
TELEPHONE: 206-587-0430
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               65.00,
100.0%; Pre-
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          ZIP: 98101
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           65.0%;
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LENGTH: 46 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Query Match
Best Local Similarity 100.
Matches 13; Conservative
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              TELEFAX: 206-233-0644 INFORMATION FOR SEQ ID NO:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       CORRESPONDENCE ADDRESS:
ADDRESSE: Immunex C
STREET: 51 Universit
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                                                                                       CLASSIFICATION:
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           TELEPHONE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 ; ANTI-SENSE:
US-09-252-006A-5
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     US-09-461-908-5
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0; Gaps
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Sequence 14041, Application PC/TUS0225940

GENERAL INFORMATION:

APPLICANT: Feldmann, Richard J.; Global Determinants, Inc.

TITLE OF INVENTION: Delinococcus radiodurans R1 complete genome, Plasmi

TITLE OF INVENTION: Delinococcus radiodurans R1 complete genome, PILE REFERENCE: Jim Zegeer Law Offices - 703-684-8333

CURRENT APPLICATION NUMBER: PCT/US02/25940

CURRENT FILING DATE: .2002-08-27

NUMBER OF SEQ ID MOS: 25502
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ORGANISM: Deinococcus radiodurans R1 complete genome, Plasmi
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Query Match 65.0%; Score 13; DB 41; Length 46; Best Local Similarity 100.0%; Pred. No. 2.6e+03; Matches 13; Conservative 0; Mismatches 0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Query Match 60.0%; Score 12; DB 1; Length 21; Best Local Similarity 100.0%; Pred. No. 1.1e+04; Matches 12; Conservative 0; Mismatches 0; Indels
                                                                 FILING DATE: CURROWNA
APPLICATION NUMBER: US/08/091,519
FILING DATE: CURROWNA
APPLICATION NUMBER: US/07/701,415
FILING DATE: CURROWNA
APPLICATION NUMBER: US 07/534,193
FILING DATE: 06-UN-1990
APPLICATION NUMBER: US 07/573,576
FILING DATE: 24-AUG-1990
APPLICATION NUMBER: US 07/627,071
FILING DATE: 13-DEC-1990
ATTORNEY/AGENT INFORMATION:
NAME: Wight, Christopher L.
REGISTRATION NUMBER: 2003-C
TELECOMMUNICATION INFORMATION:
                                                 APPLICATION NUMBER: US/09/461,908
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         TOPOLOGY: linear

MOLECULE TYPE: DNA (genomic)
HYPOTHETICAL: N
ANTI-SENSE: N
SEQUENCE DESCRIPTION: SEQ ID NO: 5:
US-10-199-209-5
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                       TELEPHONE: 206-587-5570
TELEPHONE: 206-533-0644
INFORMATION FOR SEQ ID NO: 5:
SEQUENCE CHARACTERISTICS:
LENGTH: 46 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
CLASSIFICATION: < PRIOR APPLICATION DATA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     3 AACTCTTCGCGGT 15
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LENGTH: 21
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June 23, 2003, 05:45:21 ; Search time 877.928 Seconds (without alignments) 158.668 Million cell updates/sec
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(ggn2 = 6/ptodata/1/pna/USO8 TEW_COMB.seq:*

(ggn2 = 6/ptodata/1/pna/USO9 NEW_COMB.seq:*

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(ggn2 = 6/ptodata/1/pna/USO9 NEW_COMB.seq:*

(ggn2 = 6/ptodata/1/pna/USO0 NEW_COMB.seq:*

(ggn2 = 6/ptodata/1/pna/USO0 NEW_COMB.seq:*

1 / cgn2 = 6/ptodata/1/pna/USO0 NEW_COMB.seq:*

2: / cgn2 = 6/ptodata/1/pna/USO0 NEW_COMB.seq:*

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3: / cgn2 = 6/ptodata/1/pna/USO0 NEW_COMB.seq:*
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: /cgn2_6/ptodata71/pna/PCT_NEW_COMB.seq:*
: /cgn2_6/ptodata/1/pna/US06_NEW_COMB.seq:
GenCore version 5.1.6
Copyright (c) 1993 - 2003 Compugen Ltd.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Total number of hits satisfying chosen parameters:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                 7820798 segs, 3482471992 residues
                                                                                                    OM nucleic - nucleic search, using sw model
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                                                                                                                                                                                                                                                                                                                                                                              OLIGO_NUC
Gapop_60.0 , Gapext 60.0
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20
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Perfect score:
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                                                                                                                                                                                                                                                                                                                                Sequence:
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Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

Result	lt 1		* Query			SUMMARIES	
2 !	No.	Score	Match	Match Length	80	. QI	Description
υ	· ਜ	16	80.0	21	н	PCT-US03-04088-588	Sequence 588, App
O	7	16	80.0	23	Н	PCT-US03-04088-530	Sequence 530, App
υ	m	14	70.0	19	Н	PCT-US03-04088-258	Sequence 258, App
	4	14	70.0	21	~	PCT-US03-04088-593	Sequence 593, App
	S	14	70.0	25	12	US-60-427-836-401411	Sequence 401411,
υ	9	13	65.0	19		PCT-US03-04088-22	Sequence 22, Appl
	7	13	65.0	19	٦	PCT-US03-04088-286	Sequence 286, App
	æ	13	65.0	46	10	US-10-199-209A-5	Sequence 5, Appli
	σ	12	60.0	21	10	US-10-367-892-14041	Sequence 14041, A
υ	10	12	60.0	23	н	PCT-US03-04088-522	Sequence 522, App
O	11	12	0.09	25	9	US-09-660-222-6083	Sequence 6083, Ap
U	12	12	0.09	25	9	US-09-660-222-112404	Sequence 112404,
U	13	12	0.09	25	9	US-09-660-222-112414	Sequence 112414,
	14	12	60.0	25	7	US-09-953-570-71217	Sequence 71217, A
	15	12	0.09	25	7	US-09-954-445A-2716	Sequence 2716, Ap
	16	12	60.09	25	7	US-09-954-445A-80128	Sequence 80128, A
	17	12	60.0	25	σ	US-10-098-263B-31566	Sequence 31566, A
υ	18	12	0.09	25	σ	US-10-355-577-164100	Sequence 164100,
	13	12	0.09	25	0	US-10-355-577-205836	Sequence 205836,
	20	12	0.09	25	σ	US-10-355-577-230113	Sequence 230113,

Sequence 244953,	Sequence 438619,	Seguence 615469,	Sequence 625356,	Seguence 654361,	Sequence 942586,	Sequence 250708,	Sequence 250709,	Sequence 582453,	Sequence 648877,	Sequence 14042, A	Sequence 6945, Ap	Sequence 8164, Ap	Sequence 8610, Ap	Sequence 8620, Ap	Sequence 70539, A	Sequence 37, Appl	Sequence 7604, Ap	Sequence 44232, A	Sequence 48753, A	Sequence 48758, A	Sequence 126899,	Seguence 126906,	Seguence 129922,	Sequence 134925,
US-10-355-577-244953	US-10-355-577-438619	US-10-355-577-615469	US-10-355-577-625356	US-10-355-577-654361	US-60-427-808-942586	US-60-427-836-250708	US-60-427-836-250709	US-60-427-836-582453	US-60-427-836-648877	US-10-367-892-14042	US-10-299-054A-6945	US-10-299-054A-8164	US-10-299-054A-8610	US-10-299-054A-8620	US-10-310-188-70539	US-10-418-401-37	US-10-310-188-7604	US-10-310-188-44232	US-09-953-570-48753	US-09-953-570-48758	US-09-953-570-126899	US-09-953-570-126906	US-09-953-570-129922	US-09-953-570-134925
σ	σ	σ	σ	σ	12	12	12	12	12	10	10	10	50	10	σ	10	σ	σ	7	7	7	7	7	7
25	25	25	25	25	25	25	25	25	52	36	15	15	17	17	22	22	24	24	25	25	25	25	25	25
60.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	60.0	60.09	60.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0
12	12	12	12	12	12	12	12	12	12	12	11	11	11	11	11	11	11	11	11	11	11	11	11	11
21	22	23	24	25	56	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45
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ALIGNMENTS

Gape ö Query Match 80.0%; Score 16; DB 1; Length 21; Best Local Similarity 100.0%; Pred. No. 8.7; Matches 16; Conservative 0; Mismatches 0; Indels

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) OTHER INFORMATION: Description of Artificial Sequence: Target sequence/sinA sense; OTHER INFORMATION: region
PCT-US03-04088-258
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FOURTHAIN CARRATION:

GENERAL INFORMATION:

APPLICANT: Biologue Pharmaceuticals, Inc.

APPLICANT: Beigelman, Leonid

TITLE OF INVENTION: MAN Interference Mediated Inhibition of Telomerase Gene

TITLE OF INVENTION: MAN Interference Mediated Inhibition of Telomerase Gene

TITLE OF INVENTION: Expression Using Short Interfering RNA (sinA)

FILE REFERENCE: 02-09-4.28

TOURENT APPLICATION NUMBER: PCT/US03/04088

CURRENT APPLICATION NUMBER: US 60/356,600

PRIOR FILING DATE: 2002-03-11

PRIOR FILING DATE: 2002-03-31

PRIOR APPLICATION NUMBER: US 60/363,124

PRIOR APPLICATION NUMBER: US 60/363,124

PRIOR PRILING DATE: 2002-03-31

PRIOR PILING DATE: 2002-03-31

PRIOR PILING DATE: 2002-09-05

PRIOR PILING DATE: 2002-09-05

PRIOR FILING DATE: 2002-09-05

PRIOR PILING DATE: 2003-09-05

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PCT-US03-04088-593
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Best Local Similarity 78.6%; Pred. No. 1.4e+02;
Matches 11; Conservative 3; Mismatches 0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Length 19;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Query Match 70.0%; Score 14; DB 1; Lv
Best Local Similarity 100.0%; Pred. No. 1.4e+02;
Matches 14; Conservative 0; Mismatches 0;
                      PRIOR FILING DATE: 2002-08-29
PRIOR APPLICATION NUMBER: US 60/408,378
PRIOR APPLICATION NUMBER: US 60/409,293
PRIOR FILING DATE: 2002-09-09
PRIOR FILING DATE: 2002-09-09
PRIOR FILING DATE: 2003-01-15
NUMBER OF SEQ ID NOS: 626
SOFTWARE: Patentin version 3.2
LENGTH: 19
APPLICATION NUMBER: US 60/406,784
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              7 CTTCGCGGTGGCAG 20
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                                                                                                                                                                                                                                                                                                                                                                                                                                               TYPE: RNA
ORGANISM: Artificial
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     ð
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PCT-US03-04088-530
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              gequence 258, Application PC/TUS0304088

gequence 258, Application PC/TUS0304088

gequence 258, Application PC/TUS0304088

gequence 258, Application PC/TUS0304088

pappilcant: Ribozyme Pharmaceuticals, Inc.

APPLICANT: Rabagem, James

APPLICANT: Beagelman, Leonid

TITLE OF INVENTION: RNA Interference Mediated Inhibition of Telomerase Gene

TITLE OF INVENTION: Expression Using Short Interfering RNA (siNA)

FILE REFERENCE: 02-108-A (400/080)

FURRENT PILING DATE: 2003-04-28

FRIOR PILING DATE: 2003-07-17

PRIOR PILING DATE: 2002-07-17

PRIOR PILING DATE: 2002-07-17

PRIOR FILING DATE: 2002-03-11

PRIOR FILING DATE: 2002-03-11
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                                                                                                                                                                                                                                                                                                                                                                                                                                                  Telomerase Gene
                                                                                                                                                                                                                                                                                                             GENERAL INFORMATION:

APPLICANT: RIDOZYME Pharmaceuticals, Inc.
APPLICANT: ROSWIGGEN, James
APPLICANT: Beigelman, Leonid
APPLICANTON: RNA Interference Mediated Inhibition of Telomerase
TITLE OF INVENTION: RNA Interference Mediated Inhibition of Telomerase
TITLE OF INVENTION: RNA Interference Mediated Inhibition of Telomerase
CURRENT APPLICATION NUMBER: PCT/US03/04088
CURRENT FILING DATE: 2002-04-28
PRIOR APPLICATION NUMBER: US 60/386,580
PRIOR APPLICATION NUMBER: US 60/386,782
PRIOR APPLICATION NUMBER: US 60/406,784
PRIOR PILING DATE: 2002-06-06
PRIOR PILING DATE: 2002-06-05
PRIOR PILING DATE: 2002-06-05
PRIOR PILING DATE: 2002-09-05
PRIOR PILING DATE: 2002-09-05
PRIOR PILING DATE: 2002-09-05
PRIOR PILING DATE: 2002-09-05
PRIOR FILING DATE: 2003-01-15
NUMBER OF SEQ 1D NOS: 626
NUMBER OF SEQ 1D NOS: 626
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                                                                                                                                                                                                                                                                   Sequence 530, Application PC/TUS0304088
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    5 CTCTTCGCGGTGGCAG 20
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   TYPE: RNA
ORGANISM: Artificial
                                                                                                                                                                                                                                    -US03-04088-530/c
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Query Match
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GRERAL INFORMATION:

APPLICANT: Ribozyme Pharmaceuticals, Inc.

APPLICANT: McGwiggen, James

APPLICANT: Beigelman, Leonid

TITLE OF INVENTION: RNA Interference Mediated Inhibition of Telomerase Gene

TITLE OF INVENTION: RNA Interference Mediated Inhibition of Telomerase Gene

TITLE OF INVENTION: RNA INTERFERENCE: 02-708-A (400/080)

FILE REFERENCE: 02-708-A (400/080)

FILE REFERENCE: 02-708-A (400/080)

FILE REFERENCE: 02-708-A (400/080)

FILE REFERENCE: 02-708-A (400/080)

FRIOR PRILING DATE: 2003-04-28

PRIOR FILING DATE: 2002-03-10

PRIOR FILING DATE: 2002-03-11

PRIOR FILING DATE: 2002-06-06

PRIOR FILING DATE: 2002-09-05

PRIOR FILING DATE: 2002-09-05

PRIOR FILING DATE: 2002-09-06

PRIOR FILING DATE: 2002-09-06

PRIOR FILING DATE: 2002-09-06

PRIOR FILING DATE: 2003-09-06

PRIOR FILING DAT
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PCT-US03-04088-286
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Gaps
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        TITLE OF INVENTION: Type II Interleukin-1 Receptors NUMBER OF SEQUENCES: 14 CORRESPONDENCE ADDRESS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  65.0%; Score 13; DB 1; I
76.9%; Pred. No. 5.6e+02;
tive 3; Mismatches 0;
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STREET: 51 University Street
CITY: Seattle
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
                                                                                                                                                                                                                            ; Sequence 286, Application PC/TUS0304088 ; GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Sequence 5, Application US/10199209A
GENERAL INFORMATION:
Coman, David J.
Lupton, Stephen D.
Mosley, Bruce A.
Dower, Steven K.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            COMPUTER READABLE FORM:
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Best Local Similarity 76.9
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COUNTRY: USA
ZIP: 98101
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     TYPE: RNA
ORGANISM: Artificial
                                                                                                                                                                                         PCT-US03-04088-286
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PCT-US03-04088-22
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              APPLICANT: McSwiggen, James
APPLICANT: McSwiggen, James
APPLICANT: McSwiggen, James
APPLICANT: Beigelman, Leonid
TITLE OF INVENTION: RNA Interference Mediated Inhibition of Telomerase Gene
TITLE OF INVENTION: Rxpression Using Short Interfering RNA (siNA)
TITLE OF INVENTION: Rxpression Using Short Interfering RNA (siNA)
FILE REPERENCE: 02-708-A (400/080)
CURRENT PELLOA NUMBER: DCT/US03/04088
CURRENT PELLOA DATE: 2003-04-28
PRIOR PELLOATION NUMBER: US 60/396,600
PRIOR PAPLICATION NUMBER: US 60/358,580
PRIOR PELLOATION NUMBER: US 60/363,124
PRIOR PELLOATION NUMBER: US 60/363,124
PRIOR PELLOATION NUMBER: US 60/363,782
PRIOR PELLOATION NUMBER: US 60/406,784
PRIOR PELLOATION NUMBER: US 60/406,784
PRIOR PELLOATION NUMBER: US 60/406,784
PRIOR PELLOATION NUMBER: US 60/409,293
PRIOR PELLOATION NUMBER: US 60/409,293
PRIOR PELLOATION NUMBER: US 60/409,293
PRIOR PELLOATION NUMBER: US 60/400,129
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                                                                                                                                                                                                                                                APPLICANT: Xue Mei Zhou
TITLE OF INVENTION: Methods of Genetic Analysis of Rat
FILE REFERENCE: 3527
CURRENT APPLICATION NUMBER: US/60/427,836
CURRENT PILING DATE: 2002-11-20
NUMBER OF SEQ ID NOS: 699466
SOFTWARE: Microarray Probe Sequence Listing Generator V 1.1
SEQ ID NO 401411
LENGTH: 25
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Length 25;
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70.0%; Score 14; DB 12; I
Best Local Similarity 100.0%; Pred. No. 1.4e+02;
Matches 14; Conservative 0; Mismatches 0;
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100.0%; Pred. No. 5.6e+02;
tive 0; Mismatches 0;
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APPLICANT: Ribozyme Pharmaceuticals, Inc.
                                                                                                                                                                             Sequence 401411, Application US/60427836 GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               ORGANISM: Rattus norvegicus US-60-427-836-401411
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   6 TCTTCGCGGTGGCA 19
1 CUUCGCGGUGGCAG 14
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Best Local Similarity 100.0
Matches 13; Conservative
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ORGANISM: Artificial
                                                                                                          RESULT 5
US-60-427-836-401411
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    PCT-US03-04088-22/c
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LENGTH: 19
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Target sequence/siNA sense
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APPLICANT: Richozyme Pharmaceuticals, Inc.

APPLICANT: Richozyme Pharmaceuticals, Inc.

APPLICANT: Richozyme Pharmaceuticals, Inc.

APPLICANT: Baigelman, Leonid

TITLE OF INVENTION: Expression Using Short Interfering RNA (siNA)

TITLE OF INVENTION: Expression Using Short Interfering RNA (siNA)

FILE REFERENCE: 02-708-A, (400/080)

FURENT APPLICATION NUMBER: US 60/396,600

PRIOR APPLICATION NUMBER: US 60/396,600

PRIOR PRILING DATE: 2002-07-17

PRIOR PLILING DATE: 2002-07-17

PRIOR PLILING DATE: 2002-07-20

PRIOR PLILING DATE: 2002-06-06

PRIOR PLILING DATE: 2002-09-09

PRIOR PLILING DATE: 2002-09-09
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GENERAL INFORMATION:
APPLICANT: Mittmann et al.
APPLICANT: Affwarerix, Inc.
TITLE OF INVENTION: Methods of Genetic Analysis of Human FILE REPERENCE: 3102.1
CURRENT APPLICATION UNMERS: US/09/660,222
CURRENT FILING DATE: 2000-09-12
PRIOR APPLICATION NUMBER: 60/164,973
PRIOR FILING DATE: 1939-11-11
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   ; OTHER INFORMATION: Description of Artificial Sequence:
; OTHER INFORMATION: region
PCT-US03-04088-522
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Query Match 60.0%; Score 12; DB Best Local Similarity 100.0%; Pred. No. 2.2 Matches 12; Conservative 0; Mismatches
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US-09-660-222-6083
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SOFTWARE: FastSEQ for Windows Version 4.0
SEQ ID NO 6083
LENGTH: 25
                                                                                       PCT-US03-04088-522/c
; Sequence 522, Application PC/TUS0304088
; GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             NUMBER OF SEQ ID NOS: 626
SOFTWARE: PatentIn version 3.2
SEQ ID NO 522
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        TYPE: RNA
ORGANISM: Artificial
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; COTHER INFORMATION: Chromosome = 1 Strand = negative ConnectronObjectNumber = 1638G
US-10-367-892-14041
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GENERAL INFORMATION:
GENERAL INFORMATION:
GENERAL INFORMATION:
APPLICANT: Feldmann, Richard J.; Global Determinants, Inc.
APPLICANT: Feldmann, Richard J.; Global Determinants, Inc.
TITLE OF INVENTION: Delnococcus radiodurans R1 complete genome, Plasmi
FILE REFERENCE: Jum Zegear Law Offices - 703-684-8333
CURRENT APPLICATION NUMBER: US/10/367,892
CURRENT PILING DATE: 2003-03-06
NUMBER OF SEQ ID NOS: 25502
SOFTWARE: Proprietary
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ORGANISM: Deinococcus radiodurans R1 complete genome, Plasmi
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                                                                                                                                                                               PRIOR AFFLICATION DAIRS.

PRICE APPLICATION NUMBER: US/09/461,908
PILING DATE: «Unknown»
APPLICATION NUMBER: US/08/091,519
FILING DATE: «Unknown»
APPLICATION NUMBER: US 07/534,193
APPLICATION NUMBER: US 07/534,193
FILING DATE: 06-UNN-1990
APPLICATION NUMBER: US 07/573,576
FILING DATE: 24-AUG-1990
APPLICATION NUMBER: US 07/573,576
FILING DATE: 13-DEC-1990
ATTORNEY/AGENT INFORMATION:
NAME: Wight, Christopher L.
REGISTRATION NUMBER: 31680
REFERENCE/DOCKET NUMBER: 2003-C
TELECOMMUNICATION INFORMATION:
TELEPHONE: 206-587-5570
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               ANTI-SENSE: N
SEQUENCE DESCRIPTION: SEQ ID NO: 5:
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100.0%; Pre
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 TELEPAX: 206-233-0644
INFORMATION FOR SEQ ID NO: 5:
SEQUENCE CHARACTERISTICS:
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Best Local Similarity 100.
Matches 13; Conservative
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LENGTH: 21
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RESULT 15
US-09-954-445A-2716
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LENGTH: 25
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    Length 25;
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                                          Indels
                                                                                                                                                                                                                                                                         APPLICANT: Mittmann et al.
APPLICANT: Affymetrix, Inc.
TITLE OF INVENTION: Methods of Genetic Analysis of Human
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GENERAL INFORMATION:
APPLICANT: Mittmann et al.
APPLICANT: Affymerrix, Inc.
TITLE OF INVENTION: Methods of Genetic Analysis of Human
FILE REFERENCE: 3102.1
CURRENT APPLICATION NUMBER: US/09/660,222
CURRENT PILING DATE: 2000-09-12
PRIOR APPLICATION NUMBER: 60164,973
PRIOR FILING DATE: 1999-11-11
Query Match 60.0%; Score 12; DB 6; L
Best Local Similarity 100.0%; Pred. No. 2.2e+03;
Matches 12; Conservative 0; Mismatches 0;
                                                                                                                                                                                                                                                                                                                                       FILE REFERENCE: 3102.1

CURRENT APPLICATION NUMBER: US/09/660,222

CURRENT FILING DATE: 2000-09-12

FRIOR APPLICATION NUMBER: 60/164,973

FRIOR FILING DATE: 1999-11-11

NUMBER OF SEQ ID NOS: 140981

SOFTWARE: PastSEQ for Windows Version 4.0

SEQ ID NO 112404

LENGTH: 25
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              TYPE: DNA ORGANISM: Homo Sapiens PUBLICATION INFORMATION:
DATABASE ACCESSION NUMBER: GenBank X06617 US-09-660-222-112414
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             ORGANISM: Homo Sapiens
PUBLICATION INFORMATION:
US-09-660-222-112404
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SOFTWARE: FastSEQ for Windows Version 4.0
SEQ ID NO 112414
LENGTH: 25
                                                                                                                                                                                                                                   Sequence 112404, Application US/09660222 GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Query Match 60.0
Best Local Similarity 100.
Matches 12; Conservative
                                                                                    8 TTCGCGGTGGCA 19
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US-09-953-570-71217

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Sequence 2716, Application US/09954445A
GENERAL INFORMATION:
APPLICANT: Wittmann, Michael
TITLE OF INVENTION: Methods of Genetic Analysis of Arabidopsis Thaliana
FILE REFERENCE: 3116.1
CURRENT PAPLICATION NUMBER: US/09/954,445A
CURRENT FILING DATE: 2000-09-17
PRIOR PAPLICATION NUMBER: 60/233,620
PRIOR PATING DATE: 2000-09-18
NUMBER OF SEQ ID NOS: 131820
SOFTWARE: Microarray Probe Sequence Listing Generator V 1.1
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Pred. No. 2.2e+03;
                                                                                                                                                                                                                                                                                                                                                                     Length 25;
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Sequence 71217, Application US/09953570
GENERAL INFORMATION:
APPLICANT: Mittmann, Michael
TITLE OF INVENTION: Methods of Genetic Analysis of Yeast
                                                                                                                                                                                                                                                                                                                                                                 Score 12; DB 7; L
Pred. No. 2.2e+03;
                                                                                                                                                                                                                                                                                                                                                 60.0%; Scor.
100.0%; Pred. No. ...
0; Mismatches
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                                                                               FILE REFERENCE: 3110.1

CURRENT APPLICATION NUMBER: US/09/953,570

CURRENT FILING DATE: 2001-09-13

FRIOR APPLICATION NUMBER: 6/232,638

PRIOR FILING DATE: 2000-09-14

NUMBER OF SEQ ID NOS: 138410

SOFTWARE: FBELSEQ for Windows Version 4.0

SEQ ID NO 71217
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Job time : 877.928 secs
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 ; TYPE: DNA
; ORGANISM: Arabidopsis thaliana
US-09-954-445A-2716
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Best Local Similarity 100.
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Matches 12; Conservative
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Scoring table:

Word size :

Database

Searched:

Perfect score:

Sequence:

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Run

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BH851915 SALK_0737
BM400948 5009-0-80
BM397151 5009-0-29
AAB13480 ai67209.8
AU106839 AU106839
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J. and Klobutcher, L.
Gontar Terrahymana thermophila, strain CU428.1, growing cells Contact: Turkewitz AP
Molecular Genetics and Cell Biology
University of Chicago
920 B. 58th Street, Chicago, IL 60637, USA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  BM398341 175. Shilcoat/Turkewitz cDNA linear EST 177. S009-0-44-D05.t.2 Chilcoat/Turkewitz cDNA (large fraction) Tetrahymena thermophila cDNA, mRNA sequence.
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Eukaryota; Alveolata; Ciliophora; Oligohymenophorea;
Hymenostomatida; Tetrahymenina; Tetrahymena.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         /organism="Tetrahymena thermophila"
/strain="CU428.1"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Tel: 773 702 4374
Fax: 773 702 3172
Email: apturkew@midway.uchicago.edu
                                                                                                                                                                                                                                                                                                                                                                                                                                                                            ALIGNMENTS
                                                                                                                                                                                                                                                                                     BQ27449
AA717501
AU102550
AU102613
AU107631
AU107632
BQ473036
D43085
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BM400293
BM400757
BM401335
AZ6231549
AZ6299103
BM399103
BM397307
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BM396856
BM398089
BM400119
AZ309736
BI331734
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BM398849
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Location/Qualifiers
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  VERSION
KEYWORDS
SOURCE
ORGANISM
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  LOCUS
DEFINITION
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AUTHORS
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JOURNAL
COMMENT
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BM401213 5009-0-84
BM395007 50072-2-7
BM399150 5009-0-54
BM398611 5009-0-47
AL759526 Arabidops
                                                                            June 23, 2003, 04:47:09 ; Search time 1031.16 Seconds (without alignments) 314.123 Million cell updates/sec
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          5.1.6
Compugen Ltd.
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           GenCore version
Copyright (c) 1993 - 2003
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                                                      - nucleic search, using sw model
                                                                                                                                                                                                                                                                                                             summaries
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BM401213
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                                                                                                                                                1 CCAACTCTTCGCGGTGGCAG 20
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Gapop_60.0 , Gapext 60.0
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120
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Score

Result No.

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Kirk, K.E., Frankel

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BM399150
5009-0-54-A11.t.1 Chilcoat/Turkewitz cDNA (large fraction)
Tetrahymena thermophila cDNA, mRNA sequence.
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Contact: Turkewitz AP Gontact: AP Molecular Genetics and Cell Biology University of Chicago
University of Chicago
University of Chicago
Tel: 773 702 4374
Fax: 773 702 3172
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            /db xref="caxon:5911"
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Proc. Natl. Acad. Sci USA, 98: 8709-8713."
                              1 Jurkewitz, A.P., Karrer, K.M., Jahn, C., Orias, E., Kirk, K.E., Frank, Turkewitz, A.P., Karrer, K.M., Jahn, C., Orias, E., Kirk, K.E., Frank, J. and Klobutcher, L.
5.7 and Klobutcher, L.
5.8.7 from Terrahymena thermophila, strain CU428.1, growing cells Unpublished (2002)
Contact: Turkewitz AP
Molecular Genetics and Cell Biology
University of Chicago
University of Chicago, IL 60637, USA
Tel: 773 702 4374
Fax: 773 702 4372
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Tetrahymena thermophila.
Tetrahymena thermophila
Eukaryota; Alveolata; Ciliophora; Oligohymenophorea;
Hymenostomatida; Tetrahymenina; Tetrahymena.
Eukaryota; Alveolata; Ciliophora; Oligohymenophorea;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             55.0%; Score 11; DB 13; Length 20; 100.0%; Pred. No. 1.2e+04; ive 0; Mismatches 0; Indels
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/organism="Tetrahymena thermophila"
/strain="CU428.1"

    .20
/organism="Tetrahymena thermophila"
/strain="CU428.1"

                     Hymenostomatida; Tetrahymenina; Tetrahymena
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Seq primer: T3.
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Seq primer: T3
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Best Local Similarity 100.
Matches 11; Conservative
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KEYWORDS
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BM399150
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                                               REFERENCE
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Proc. Natl. Acad. Sci USA, 98: 8709-8713."
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Turkewitz,A.P., Karrer,K.M., Jahn,C., Orias,E., Kirk,K.E., Frankel
Jd and Klobutcher,L.
EST from Tetrahymena thermophila, strain CU428.1, growing cells
Unpublished (2002)
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Proc. Natl. Acad. Sci USA, 98: 8709-8713."
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50072-2-7-A08.f.2 Chilcoat/Turkewitz CDNA (large fraction)
Tetrahymena thermophila cDNA, mRNA sequence.
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5009-0-84-C02.t.1 Chilcoat/Turkewitz cDNA (large fraction)
Tetrahymena thermophila cDNA, mRNA sequence.
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Terrahymena thermophila
Bukaryota; Alveolata; Ciliophora; Oligoḥymenophorea;
Hymenostomatida; Tetrahymenina; Tetrahymena.
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/organism="Tetrahymena thermophila"
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Molecular Genetics and Cell Biology
Molecular Genetics and Cell Biology
Molecular Genetics and Cell Biology
920 E. 58th Street, Chicago, IL 60637, USA
Tel: 773 702 4374
Email: apturkew@midway.uchicago.edu
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Tetrahymena thermophila
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BM401213.1 GI:18201266
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Bust Local Similarity 100.v.
France 11; Conservative
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Best Local Similarity 100.0%
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Submitted (17-70M-2002) Weisshaar B., Max-Planck-Institut fuer Zuechtungsforschung, Carl-von-Linne-Weg 10, Koeln, 50829, Germany This sequence is recovered from the left border of the T-DNA. It indicates an insertion close to owithin gene At1g07990. The sequences are generated at the MPI for Plant Breeding Research in the context of the GABI-Kat project. GABI-Kat is part of the German Plant Genomics program designated 'GABI'. Information on line availability can be found at:

Location/Qualifiers
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/clone="taxon:3702"
/clo
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                                                                                                          Rosso, M., Strizhov, N., Li, Y., Reiss, B., Dekker, K. and Weisshaar, B. A new Arabidopais thaliana T-DNA mutagenised population (GABI-Kat) for flanking sequence tag based reverse genetics Unpublished
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
Amphibia; Batrachia; Anura; Mesobatrachia; Pipoidea; Pipidae;
Xenopodinae; Xenopus.
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Pred. No. 1.4e+04;
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Rosso, M., Li, Y., Strizhov, N. and Weisshaar, B.
Direct Submission
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Contact: Tadasu Shin-i
Conter For Genetic Resource Information
National Institute of Genetics
1111 Yata, Mishima, Shizuoka 411-8540, Japan
Fax: 81-559-81-6855

    .34
/organism="Arabidopsis thaliana"

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100.0%; Pred. No. ...
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Location/Qualifiers
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Xenopus laevis
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BJ063841
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S Turkewitz,A.P., Karrer,K.M., Jahn,C., Orias,E., Kirk,K.E., Frankel
S, Turkewitz,A.P., Karrer,K.M., Jahn,C., Orias,E., Kirk,K.E., Frankel
J. and Klobutcher,L.
EST from Tetrahymena thermophila, strain CU428.1, growing cells
Unpublished (2002)
Contact: Turkewitz AP
Molecular Genetics and Cell Biology
University of Chicago
920 E. 58th Street, Chicago, IL 60637, USA
Tel: 773 702 4374
Fax: 773 702 3172
Email: apturkew@midway.uchicago.edu
Seq primer: T3.
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AL759526
GENOMIC SURVEY SEQUENCE.
AL759526
GSSS.
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/organism="Tetrahymena thermophila"
/organism="CU428.1"
/db_xxef="taxon:5911"
/clone lib="Chilcoat/Turkewitz cDNA (large fraction)"
/note="Vector: BlueScript2 SK+; Details on library
preparation can be found in Chilcoat and Turkewitz (2001)
Proc. Natl. Acad. Sci USA, 98: 8709-8713."
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Bukaryota, Viridiplantae, Streptophyta, Embryophyta, Tracheophyta,
Spermatophyta, Magnoliophyta; eudicotyledons; core eudicots;
Rosidae, eurosids II; Brassicales, Brassicaceae, Arabidopsis.
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A pipeline for automated high-throughput generation of FSTs
(flanking sequence tags) from Arabidopsis thaliana T-DNA
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Tetrahymena thermophila
Eukaryota; Alveolata; Ciliophora; Oligohymenophorea;
Hymenostomatida; Tetrahymenina; Tetrahymena.
                        Length 26;
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                                                                           0; Indels
                  Score 11; DB 13; L
Pred. No. 1.3e+04;
0; Mismatches 0;
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BM398611.1 GI:18198664
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Query Match Local

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TITLE

FEATURES

ACCESSION VERSION KEYWORDS SOURCE

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15 bp mRNA linear EST 17-JAN-2002
Turkewitz cDNA (large fraction)
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Tetrahymena thermophila

Bykaryota, Alveolata; Ciliophora; Oligohymenophorea;

Hymenostomatida; Tetrahymenina; Tetrahymena.

1 (bases 1 to 45)

Turkewitz,A.P., Karrer,K.M., Jahn,C., Orias,E., Kirk,K.E., Frankel

J. and Klobutcher,L.

BST from Tetrahymena thermophila, strain CU428.1, growing cells

Contact: Turkewitz AP

Molecular Genetics and Cell Biology
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Gontact: Turkewitz A.P.

Contact: Turkewitz A.P.

Molecular Genetics and Cell Biology

Milyersity of Chicago

920 E. 58th Street, Chicago, IL 60637, USA
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/clone_lib="Chilcoat/Turkewitz cDNA (large fraction)"
/note="Vector: BlueScript2 SK+; Details on library
preparation can be found in Chilcoat and Turkewitz (2001)
Proc. Natl. Acad. Sci USA, 98: 8709-8713."
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Bertahymena thermophila
Enkaryota: Alveolata; Ciliophora; Oligohymenophorea;
Hymenostomatida; Tetrahymenina; Tetrahymena.
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Tetrahymena thermophila cDNA, mRNA sequence.

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/organism="Tetrahymena thermophila"

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    Pred. No. 1.5e+04;
                        Mismatches
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BM400948.1 GI:18201001
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Fax: 773 702 3172
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                                                                                                           27 TTCGCGGTGGC 17
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/db xxee="cxxm:3702"
/clone="SALK 073707.54.25.x"
/clone="lib="Arabidopsis thaliana TDNA insertion lines"
/note="PCR was performed on Arabidopsis thaliana lines each of which contains one or more TDNA insertion elements. The resultant fragment for each line was directly sequenced to determine the genomic sequence at the site of insertion. Details of the protocols used can be found at http://signal.salk.edu/tdna_protocols.html"
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lines
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                                                                                                                                                              /dev stage="retrage 25"
//dev stage="retrage 25"
/note="Vector: pBSRN3; Site 1: Noti; Site 2: EcoR1; cDNAs
were oligo-dT primed and directionally cloned. Staging
were oligo-dT primed and directionally cloned. Staging
according to Nieuwkoop and Faber. Library is subtracted
and was constructed by N. Garrett and A.M. Zorn,
(Wellcome/CRC Institute). "
15 c 3 g 13 t 1 others
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Eukaryota; Viridiplantae; Streptophyta; Embryophyta; Tracheophyta;
Spermatophyta; Magnoliophyta; eudicotyledons; core eudicots;
Rosidae; eurosida II; Brassicales; Brassicaceae; Arabidopsis.
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A Sequence-Indexed Library of Insertion Mutations in the
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                                                                                                                                                                                                                                                                                                                                                                                                                                Gaps
                     /organism="Xenopus laevis"
/db_xref="taxon:8355"
/clone="XL077i14"
/clone="XL077i14"
/clone="XL08"
library"
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Unpublished (2001)
Unpublished (2001)
Contact: Joseph R. Ecker
Salk Institute Genomic Analysis Laboratory (SIGNAL)
The Salk Institute for Biological Studies
Intollo N. Torrey Pines Road, La Jolla, CA 92037, USA
Tel: 858 453 4100 x1752
Fax: 858 558 6379
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                                                                                                                                                  /tissue_type="whole embryo"
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Location/Qualifiers
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BH851915.1 GI:21422786
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Query Match

BASE COUNT ORIGIN

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1 (bases 1 to 50)
Suzuki,Y., Taira,H., Tsunoda,T., Mizushima-Sugano,J., Sese,J., Hata,H., Ota,T., Isogai,T., Tanaka,T., Morishita,S., Okubo,K., Sakaki,Y., Nakamura,Y., Suyama,A. and Sugano,S.
Diverse transcriptional initiation revealed by fine, large-scale mapping of mRNA start sites
EMBO Rep. 2 (5), 388-393 (2001)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Department of Virology
Institute of Medical Science, University of Tokyo
Institute of Medical Science, University of Tokyo
4-6-1, Shirokanedai, Minatoku, Tokyo 108-8639, Japan
5-6-1, Shirokanedai, Minatoku, Tokyo 108-8639, Japan
5-8-1, Shirokanedains.u-cokyo.ac.jp
5-8-1, Suzuki,Y., Yoshitomo-Nakagawa,K., Maruyama,K., Suyama,A. and Sugano,S. Construction and characterization of a full length-enriched and a 5'-end-enriched cDNA library. Gene 200 (1-2), 149-156 (1997).
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                                                                                                                                                                                                                                                                                                                                                                            AU106839 Sugano Homo sapiens cDNA library Homo sapiens cDNA clone
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(Pharmacia), digested with Not I and cloned into the Not and Eco RI sites of the modified pTYT3 vector. Library went through one round of normalization to Cot5, and was constructed by Bento Soares and M. Patima Bonaldo. "
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Mammalia; Butheria; Primates; Catarrhini; Hominidae; Homo.
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/note="Differential display comparison of untreated and
dimethylfumarate treated U937 cells"
14 c 17 g 6 t
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/organism="Homo sapiens"
/db_xref="taxon:9606"
/clone="KAT08593"
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Tetrahymena thermophila.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       CDNA Library Arrayed by: Greg Lennon, Ph.D.
DNA Sequencing by: Washington University Genome Sequencing Center
Clone distribution: NCI-CGAP clone distribution information can be
found through the I.M.A.G.E. Consortium/LLNL at:
www-bio.llnl.gov/bbrp/image/image.html
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Contact: Robert Strausberg, Ph.D.
Email: cgapbs-r@mail.nih.gov
cDNA Library Preparation: M. Bento Soares, Ph.D., M. Fatima Bonaldo
, Ph.D.
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                                                                                                                                                             /organism="Tetrahymena thermophila"
/dstrain="GT0428.1"
/db xref="taxon:5911"
/clone lib="Chilcoat/Turkewitz cDNA (large fraction)"
/note="Vector: BlueScript2 SK+; Details on library
preparation can be found in Chilcoat and Turkewitz (2001)
Proc. Natl. Acad. Sci USA, 98: 8709-8713."
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Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
Eukaryota; Eutheria; Primates; Catarrhini; Hominidae; Homo.
1 (bases 1 to 49)
NCI-CGAP http://www.ncbi.nlm.nih.gov/ncicgap.
National Cancer Institute, Cancer Genome Anatomy Project (CGAP),
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Possible reversed clone: similarity on wrong strand
Insert Length: 1418 Std Brror: 0.00
Seg primer: -40ml3 fwd. ET from Amersham
High quality sequence stop: 1.
Location/Qualifiers
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University of Chicago
920 E. 58th Street, Chicago, IL 60637, USA
Tel: 773 702 4374
Fax: 773 702 3172
Email: apturkew@midway.uchicago.edu
Seg primer: T3
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Pred. No. 1.6e+04;
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/sex="male"
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100.0%; Pred. No. 1...
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/organism="Homo sapiens"
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/clone="1375864"
                                                                                                                        Location/Qualifiers
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Sus scrofa
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       AUTHORS
TITLE
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/clone lib="Chilcoat/Turkewitz cDNA (large fraction)"
/note="Vector: BlueScript2 SK+; Details on library
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Proc. Natl. Acad. Sci USA, 98: 8709-8713."
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               /organism="Tetrahymena thermophila"
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/note="Vector: BlueScript2 SK+: Details on library
preparation can be found in Chilcoat and Turkewitz (2001)
proparation can be found in this contains on the found in this contains on the found in this contains and the contains and force in the contains and force in the contains and force in the contains and contains an
                                                                              1 (bases 1 to 14)
Tytewartz, A.P., Karrer, K.M., Jahn, C., Orias, E., Kirk, K.E., Frankel
J. and Klobutcher, L.

BST from Tetrahymena thermophila, strain CU428.1, growing cells
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Gaps
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5009-0-27-B04.t.1 Chilcoat/Turkewitz cDNA (large fraction)
Tetrahymena thermophila cDNA, mRNA sequence.
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Betrahymena thermophila
Eukaryota; Alveolata; Ciliophora; Oligohymenophorea;
Hymenostomatida; Tetrahymenina; Tetrahymena.
                  Eukaryota, Alveolata, Ciliophora, Oligohymenophorea,
Hymenostomatida, Tetrahymenina, Tetrahymena.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Query Match 50.0%; Score 10; DB 13; Length 14; Best Local Similarity 100.0%; Pred. No. 4.1e+04; Matches 10; Conservative 0; Mismatches 0; Indels

    .17
    organism="Tetrahymena thermophila"

                                                                                                                                                                                                   Unpublished (2002)
Contact: Turkewitz AP
Molecular Genetics and Cell Biology
University of Chicago
920 E. 58th Street, Chicago, IL 60637, USA
Tel: 773 702 4374
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Fax: 773 702 3172
Email: apturkew@midway.uchicago.edu
                                                                                                                                                                                                                                                                                                                                                                                 Fax: 773 702 3172
Email: apturkew@midway.uchicago.edu
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Location/Qualifiers
                                                                                                                                                                                                                                                                                                                                                                                                                                                   Seg primer: T3.
Location/Qualifiers
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BM396941.1 GI:18196994
Tetrahymena thermophila
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ORIGIN
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SOURCE
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AUTHORS
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JOURNAL
COMMENT
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BM396941
                                                                                  REFERENCE
AUTHORS
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// ...18
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(5'-NNN ...NNNinsert)
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non-normalized library, sequenced 3' with MI3R primer."
/ 7 g 3 t
                                                                                                                                                                                                                                                                                    BM675715 18 bp mRNA linear EST 27-FEB-2002
TOH602767971.R1 CSEQFXL35 adipose Sus scrofa cDNA, mRNA sequence.
BM675715
BM675715.1 GI:18985613
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1 (bases 1 to 18)
1 (bases Lo 18)
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Animal Breeding and Genetics
Texas A&W University
Animal Science Dept., TAMU-2471, College Station, TX 77843-2471,
                                                    Gaps
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  Length 17;
                                                    Indels
50.0%; Score 10; DB 13; I
100.0%; Pred. No. 4.3e+04;
iive 0; Mismatches 0;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Tel: 9798452616
Fax: 9798456970
Email: david.adelson@tamu.edu.
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                                                          10; Conservative
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1 CCAACTCTTCGCGGTGGCAG 20
 TOPOLOGY:
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Sequence 41, Appl
Sequence 47, Appl
Sequence 48, Appl
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Sequence 5, Appli
atent No. 5198342
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Appl
                                                                   June 24, 2003, 22:17:30 ; Search time 30.3586 Seconds (without alignments) 202.036 Million cell updates/sec
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Sequence 5, A
Sequence 7, A
Sequence 5, A
Sequence 69,
Sequence 36,
Sequence 36,
Sequence 36,
Sequence 36,
Sequence 36,
Sequence 64,
Sequence 14,
Sequence 14,
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Sequence 4
Sequence 4
Sequence 1
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/cgn2_6/ptodata/2/ina/PCTUS_COMB.seq:*
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Compugen Ltd.
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US-08-091-519-5
US-08-106-507-7
US-08-142-043A-5
US-08-344-817A-69
US-08-344-817A-69
US-08-599-252-36
PCT-US96-06583-36
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US-08-181-556-9
US-08-181-556-9
US-08-181-556-9
US-08-181-556-14
US-08-64449-61
US-08-64449-61
US-07-974-409C-41
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US-08-770-565-5
                                                                                                                                                                                  441362 segs, 153338381 residues
         GenCore version
Copyright (c) 1993 - 2003
                                                                                                                                                                                                                                                                                                                                                                                                                           SUMMARIES
                                                                                                                                                                                                                                                       Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries
                                               - nucleic search, using sw model
                                                                                                                                CCAACTCTTCGCGGTGGCAG 20
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Gapop 10.0 , Gapext 1.0
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20
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Match Length
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                                                                                                                       Perfect score:
                                                OM nucleic
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Sequence
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Patent No. 5846723
GENERAL INFORMATION:
APPLICANT: Kim, Nam Woo
APPLICANT: Wu, Fred T.
APPLICANT: Waley, James T.
APPLICANT: Waley, James T.
APPLICANT: Walnrich, Scott L.
TITLE OF INVENTION: Methods for Detecting the RNA Component of TITLE OF INVENTION: Telomerase
NUMBER OF SEQUENCES: 26
CORRESPONDENCE ADDRESS:
ADDRESSEE: TOWNSEND and TOWNSEND and CREW LLP
                                                               Sequence
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         ö
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ZIP: 94111-3834
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC Compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Parentin Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/770,565
FILING DATE: 20-DEC-1996
CLASSIFICATION: 435
ATTONNEY/AGENT INFORMATION:
NAME: SCOREILA, JOHN R.
REGISTRATION NUMBER: 32,944
RESPERENCE/DOCKET NUMBER: 32,944
RESPERENCE/DOCKET NUMBER: 32,944
RESPERENCE/DOCKET NUMBER: 32,944
RESISTRATION NUMBER: 32,944
RESPERENCE/DOCKET NUMBER: 015389-002300US
TELEPHONE: 415-576-0200
TELEPHONE: 415-576-0200
INFORMATION FOR SEQ ID NO: 7:
SEQUENCE CHARACTERISTICS:
TENDEMATION FOR SEQ ID NO: 7:
SEQUENCE CHARACTERISTICS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     ADDRESSEE: TOWNSEND and TOWNSEND and CREW LLP STREET: Two Embarcadero Center, 8th Floor CITY: San Francisco
US-08-110-294A-27
US-08-389-926-27
US-08-623-891-81
US-09-634-262-81
US-09-536-33-3
US-09-536-33-3
US-08-977-818-16
US-08-977-818-16
US-08-530-492-52
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US-08-632-882-5
US-08-741-881-39
US-08-739-158-39
US-08-739-158-39
US-08-739-167-39
US-08-931-869-39
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STRANDEDNESS: single
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Score 13.6; DB 4; Length 49;
Pred. No. 3.2e+02;
0; Mismatches 4; Indels
Mismatches
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ZIP: 98.03
ZIP: 98.03
ZIP: 98.03
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.24
CURENT APPLICATION DATA:
APPLICATION NUMBER: US/08/091,519
FILING DATE:
CLASSIPICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US/07/701,415
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                                                                                                                                                                                                                                                                                                                                Sequence 3, Application US/09166966E
Patent No. 6407208
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ORGANISM: Artificial Sequence
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Best Local Similarity 80.0%;
Matches 16; Conservative
                                                                             2 CAACTCTTCGCGGT 15
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14; Conservative
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                                                                                                                                                                                                                                                                                                     US-09-166-966E-3/c
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US-08-091-519-5
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       Matches
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                                                                                                                                                                                                                                                                                                                                                                                      APPLICANT: Realey, James T.
APPLICANT: Realey, James T.
APPLICANT: Pruzan, Ronald
APPLICANT: Weinrich, Scott L.
TITLE OF INVENTION: Methods for Detecting the RNA Component of
TITLE OF INVENTION: Polomerase
NUMBER OF SEQUENCES: 26
CORRESPONDERCE ADDRESS:
ADDRESSEE: TWO EMBARCAGES
CORRESPONDER TOWNSEND and TOWNSEND and TOWNSEND and TOWNSEND and TOWNSEND COLTY: SAS METATICS CONTRY: USA
COUNTRY: USA
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100.0%; Score 20; DB 2; Length 30;
Best Local Similarity 100.0%; Pred. No. 0.19;
Matches 20; Conservative 0; Mismatches 0; Indels
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TITLE OF INVENTION: DNA ENCOGING IGA FC RECEPTORS
NUMBER OF SEQUENCES: 9
CAPPLICATION DATA:
APPLICATION NUMBER: US/07/548,059
FILING DATE: 05-JUL-1990
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     NAME: Storella, John R.
REGISTRATION NUMBER: 32,944
REFERENCE/DOCKET NUMBER: 015389-002300US
TELECOMMUNICATION INFORMATION:
TELECHONE: 415-576-0200
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         1 CCAACTCTTCGCGGTGGCAG 20
                                                                                                                                                                                                                                Sequence 5, Application US/08770565 Patent No. 5846723
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         TELECORDA 415-5/0 TELEPRAX: 415-5/0 TELEPAX: 415-576-0300 INFORMATION FOR SEQ ID NO: 5 SEQUENCE CHARACTERISTICS: 7 FINGTH: 30 base pairs
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                STRANDEDNESS: single
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       TOPOLOGY: linear; MOLECULE TYPE: DNA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Query Match
Best Local Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Patent No. 5198342
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  LENGTH: 45
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           SEQ ID NO:4:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 5198342-4
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Gaps

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GENERAL INFORMATION:
APPLICANT: CHEN, DAVID CHANHAN
APPLICANT: HU, NIEN-TAI
APPLICANT: HU, NIEN-TAI
APPLICANT: HSU, TYONG-HSIUNG
TITLE OF INVENTION: CHIMBERIC PROTEINS WITH A CELLULOSE BINDING DOMAIN
FILE REFERENCE: 32350-150960
CURRENT FILING DATE: 1998-10-06
PRIOR APPLICATION NUMBER: TW 86114750
PRIOR PLILING DATE: 1997-10-08
NUMBER OF SEQ ID NOS: 11
SEQ ID NO 3
LENGTH: 49
Gaps
Indels
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Sequence 5, Application US/08091519
Fatent No. 5350683
GENERAL INFORMATION:
APPLICANT: Sime, John E.
APPLICANT: Cosman, David J.
APPLICANT: Lupton, Stephen D.
APPLICANT: Dower, Steven K.
TITLE OF INVENTION: Type II Interleukin-1 Receptors
NUMBER OF SEQUENCES: 14
CORRESPONDENCE ADDRESS:
ADDRESSEE: Immunex Corporation
STREET: St University Street
CITY: Seattle

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Indels
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APPLICANT: Cosman, John B.
APPLICANT: Cosman, David J.
APPLICANT: Mosley, Stephen D.
APPLICANT: Mosley, Steven N.
APPLICANT: Mosley, Bruce A.
APPLICANT: Dower, Steven K.
TITLE OF INVENTION: Type II Interleukin-1 Receptors
NUMBER OF SEQUENCES: 19
CORRESPONDENCE ADDRESS:
ADDRESSES: Immunex Corporation
STREET: 51 University Street
                                                                                                                                                                                                                   Query Match 67.0%; Score 13.4; DB 1;
Best Local Similarity 93.3%; Pred. No. 4e+02;
Matches 14; Conservative 0; Mismatches 1;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         COUNTRY: WA
COUNTRY: WA
ZIP: 98101
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC Compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.24
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/442,043A
FILING DATE: 16-MAY-1995
CLASSIFICATION DATA:
APPLICATION DATA:
APPLICATION DATA:
APPLICATION DATA:
APPLICATION DATA:
APPLICATION DATA:
APPLICATION DATA:
FILING DATE: 24-AUG 1990
PRIOR APPLICATION DATA:
FILING DATE: 13-DEC-1990
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 07/573,576
FILING DATE: 16-MAY-1991
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/091,519
FILING DATE: 16-MAY-1991
PRIOR APPLICATION NUMBER: US 08/091,519
FILING DATE: 12-JULY-1993
PRIOR APPLICATION NUMBER: US 08/242,211
FILING DATE: 13-MAY-1994
ATTORNEY/AGRAT INFORMATION:
NAME: PERKING PATERICALA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Sequence 5, Application US/08442043A
Patent No. 5767064
                               TOPOLOGY: linear
MOLECULE TYPE: DNA (genomic)
HYPOTHETICAL: NO
ANTI-SENSE: NO
IMMEDIATE SOURCE:
CLONE: oligonucleotide
US-08-106-507-7
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             NAME: Perkins, Patricia A. REGISTRATION NUMBER: 34,693 REFERENCE/DOCKET NUMBER: 20
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   TELECOMMUNICATION INFORMATION TELEPHONE: 206-587-5570
                                                                                                                                                                                                                                                                                                                                                             23 CAAACTCTTCGCGGT 37
                                                                                                                                                                                                                                                                                                                 1 CCAACTCTTCGCGGT 15
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              single
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Seattle
            STRANDEDNESS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               STATE: WA
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  ZIP: 98101
COMPUTER READABLE FORM:
MEDIUM TYPE: FIDEPPY disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/106,507
FILING DATE:
PRIOR APPLICATION DATA:

APPLICATION NUMBER: US 07/573,576
FILING DATE: 24-ADC-1990
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 07/627,071
FILING DATE: 13-DEC-1990
ATTOMAKE: Wight, Chiletopher L.
REGISTRATION NUMBER: 31680
REFERENCE/DOCKET NUMBER: 2003-C
TELECOMMUNICATION INFORMATION:
TELEPHONE: 206-587-5570
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              CLASSIFICATION: 530
PRIOR APPLICATION DATA:
APPLICATION NUMBER:
AILING DATE: 08-SEP-1992
ATORNEY/AGENT INFORMATION:
NAME: WIGHT, CHRISTOPHER L.
REGISTRATION NUMBER: 31,680
REFERENCE/DOCKET NUMBER: 2809-A
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Sequence 7, Application US/08106507
Patent No. 5573924
GENERAL INFORMATION:
APPLICANT: GCODWIN, M.P.
APPLICANT: GCODWIN, RAYMOND G.
APPLICANT: GRIL, JUDITH G.
APPLICANT: ARMITAGE, RICHARD J.
ITTLE OF INVENTION: CO27 LICAND
NUMBER OF SEQUENCES: 10
CORRESPONDENCE ADDRESS:
ADDRESSEE: IMMUNEX CORPORATION
STREET: 51 UNIVERSITY STREET
COTTY: SEATTLE
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         TELECOMMUNICATION INFORMATION
TELEPHONE: 206-587-0430
INFORMATION FOR SEQ ID NO: 7:
                                                                                                                                                                                                                                                                                                                                                                                                                                                MOLECULE TYPE: DNA (genomic)
HYPOTHETICAL: N
ANTI-SENSE: N
US-08-091-519-5
                                                                                                                                                                                                                                                                               INFORMATION FOR SEQ ID NO: 5
SEQUENCE CHARACTERISTICS:
LENGTH: 46 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: lines
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     1 CCAACTCTTCGCGGT 15
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               SEQUENCE CHARACTERISTICS:
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TYPE: nucleic acid
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STATE:
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1 Similarity 93.3%; Pred. No. 4e+02;
14; Conservative 0; Mismatches
                                                                     1 CCAACTCTTCGCGGT 15
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    Best Local Similarity
Matches 14; Conserve
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                                                                                                                                                                                                                                                                                                                                                                                                           APPLICANT: Sime, John E.

APPLICANT: Cosman, David J.

APPLICANT: Lupton, Stephen D.

APPLICANT: Mosley, Bruce A.

APPLICANT: Dower, Stewen K.

TITLE OF INVENTION: Type II Interleukin-1 Receptors

NUMBER OF SEQUENCES: 14

CORRESPONDENCE ADDRESS:

ADDRESSEE: Immune* ?
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           CURRENT APPLICATION DATA:

CURRENT APPLICATION DATA:

APPLICATION UNDER:

FILING DATE: 19910517

CLASSIFICATION UNBER: PCT/US91/03478

FILING DATE: 19910517

APPLICATION NUMBER: US 07/534,193

FILING DATE: 06-UN-1990

PRIOR APPLICATION DATA:

APPLICATION NUMBER: US 07/573,576

FILING DATE: 24-AUG-1990

RIOR APPLICATION DATA:

APPLICATION NUMBER: US 07/627,071

FILING DATE: 13-DEC-1990

ATTORNEY/AGENT INFORMATION:

NAME: Wight, Christopher L.

REGISTRATION NUMBER: 31680

REGISTRATION NUMBER: 31680

REGISTRATION NUMBER: 31680

TELECOMMUNICATION INFORMATION:

TELECOMMUNICATION INFORMATION:

TELECOMMUNICATION INFORMATION:

TELECOMMUNICATION INFORMATION:

TELECOMMUNICATION INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               STREET: 51 University Street CITY: Seattle STATE: MA COUNTRY: USA ZIP: 98101
                                                                                                                                                                                                                                                                                                                                                                                                             CT-US91-03478-5
Sequence 5, Application PC/TUS9103478
GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IEM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      MOLECULE TYPE: DNA (genomic) HYPOTHETICAL: N
                                                                                             MOLECULE TYPE: DNA (genomic)
HYPOTHETICAL: N
ANTI-SENSE: N
                                                                                                                                                                                                                                                                                     1 CCAACTCTTCGCGGT 15
                                                                                                                                                                                                                                                                                                                            23 caaacrerresessi 37
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         INFORMATION FOR SEQ ID NO:
SEQUENCE CHARACTERISTICS:
LENGTH: 46 base pairs
TYPE: NUCLEIC ACID
STRANDEDNESS: single
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          206-233-0644
               46 base pairs
                                TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       linear
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                                                                                                                                                             US-08-442-043A-5
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               LENGTH:
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Length 46;

DB 5;

67.0%; Score 13.4;

Query Match

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Query Match 66.0%; Score 13.2; DB 3; Length 36; Best Local Similarity 83.3%; Pred. No. 4.9e+02; Matches 15; Conservative 0; Mismatches 3; Indels
                                                                                                                                                                                                                                                                                  ADDRESSEE: DENNIS A BENNEIT, G.D. SEARLE & CO., ADDRESSEE: CORPORATE PATENT DEPT.
STREET: P.O. BOX 5110
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              OPERATING SYSTEM: PC_DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/833,167
                                                                 APPLICANT: ZURFLUH, LINDA L
APPLICANT: MCKHERTER, CHARLES A
APPLICANT: MCKEARN, JOHN P
APPLICANT: KLEIN, BARBARA K
APPLICANT: RENG, YIQING
APPLICANT: RENG, YIQING
APPLICANT: LEE, STEPHEN C
APPLICANT: LEE, STEPHEN C
TITLE OF INVENTION: G-CSF RECEPTOR AGONISTS
NUMBER OF SEQUENCES: 129
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       FILING DATE:
CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER: WO PCT/US 96/15935
FILING DATE: 04-OCT-1996
PRIOR APPLICATION NUMBER: US 60/004,382
FILING DATE: 05-OCT-1995
ATTORNEY/AGENT INFORMATION:
ANNIHAL
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    other nucleic acid
/desc = "DNA (synthetic)"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          RESULT 10
US-09-344-837A-69
; Sequence 69, Application US/09344837A
Sequence 69, Application US/08833167
Patent No. 6100070
                                                                                                                                                                                                                                                                                                                                                                                                                                                             COMPUTER: Rloppy disk COMPUTER: IBM PC compatible OPERATING SYSTEM: PC-DOS/wordpower.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               NAME: BENNETT, DENNIS A REFERENCE DOCKET UNDBER: 25 TELECOMMUNICATION INFORMATION TELEPHONE: 314-694-5402
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        SEQUENCE CHARACTERISTICS:
LENGTH: 36 base pairs
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          TELEFAX: 314-694-9095
INFORMATION FOR SEQ ID NO:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   TYPE: nucleic acid
STRANDEDNESS: single
                                                                                                                                                                                                                                                                           CORRESPONDENCE ADDRESS:
ADDRESSEE: DENNIS A I
ADDRESSEE: CORPORATE
                                                                                                                                                                                                                                                                                                                                                                                                                                                             COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy of
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      linear
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                                                GENERAL INFORMATION:
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                                                                                                                                                                                                                                                                                                                                                                                                                  COUNTRY: USA
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Score 12.8; DB 1; Length 22;
Pred. No. 7.4e+02;
0; Mismatches 2; Indels
                                                                                                            CITI.

STATE: DC
COUNTRY: USA
COMPUTER READABLE FORM:
MEDIUM TYPE: FLOPPY disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.30
CURRENT APPLICATION NUMBER: US/08/599,252
FILING DATE: 09-FEB-1996
CLASSIFICATION: 435
ATTORNEY/AGENT INFORMATION:
NAME: MURASHIGE, KATE H.
REGISTRATION NUMBER: 29,959
REGISTRATION NUMBER: 29,959
REGISTRATION INFORMATION:
TELECOMMUNICATION INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       APPLICANT: FEDER, JOHN N.
APPLICANT: FEDER, JOHN N.
APPLICANT: FEDER, JOHN N.
APPLICANT: GINERE, ANDREAS.
APPLICANT: KINMEL, BRUCE E.
APPLICANT: THOMAS, WINSTON J.
APPLICANT: WOLFF, ROGER K.
TITLE OF INVENTION: METHOD TO DIAGNOSE HEREDITARY
TITLE OF INVENTION: HEMOCHROMATOSIS
NUMBER OF SEQUENCES: 124
CORRESPONDENCES: 124
CORRESPONDENCES: 124
CORRESPONDENCES: 2000 Pennsylvania Ave. N.W., Suite 5500
CITY: Wachington
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         COUNTRY: USA
ZIP: 2006-1888
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: PCT/US96/06352
FILING DATE:
                             CORRESPONDENCE ADDRESS:
ADDRESSEE: MORRISON & FOERSTER
STREET: 2000 Pennsylvania Ave. N.W., Suite 5500
CITY: Washington
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      US 08/599,252
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Sequence 36, Application PC/TUS9606352 GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Query Match
Best Local Similarity 87.5%;
Matches 14; Conservative
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         TYPE: nucleic acid
STRANDEDNESS: sing
NUMBER OF SEQUENCES:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        ; TOPOLOGY: linear
US-08-599-252-36
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        CLASSIFICATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 CITY:
STATE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           RESULT 12
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              COMPUTER READABLE FORM:

MEDIUM TYPE: Floppy disk

MEDIUM TYPE: Floppy disk

COMPUTER: IBM PC compatible

OPERATING SYSTEM: PC-DOS/MS-DOS

SOOTWARE: Patentin Release #1.0, Version #1.30

SOOTWARE: Patentin Release #1.0, Version #1.30

CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/09/344,837A

FILING DATE: 25-JUN-1999

CLASSIFICATION DATA:

APPLICATION NUMBER: WO PCT/US 96/15935

PILING DATE: 04-OCT-1996

PRIOR APPLICATION DATA:

APPLICATION NUMBER: US 60/004,382

PILING DATE: 05-OCT-1995

ATORNEY AGENT INFORMATION:

NAME: S. CHRISTOPHER BAUER

REPERBNICK/DOCKET NUMBER: 2907/2

TELECOMMUNICATION INFORMATION:

TELECOMMUNICATION INFORMATION:

TELECOMMUNICATION INFORMATION:

TELECOMMUNICATION INFORMATION:

TELECOMMUNICATION INFORMATION:
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                                                              APPLICANT: MCKHERTER, CHARLES A
APPLICANT: MCKHERTER, CHARLES A
APPLICANT: KIEIN, BARBARA K
APPLICANT: FENG, YIQHN B
APPLICANT: FENG, YIQHNG
APPLICANT: LEE, STEPHEN C
TITLE OF INVENTION: G-CSF RECEPTOR AGONISTS
NUMBER OF SEQUENCES: 129
CORRESPONDENCE ADDRESS:
ADDRESSEE: S. CHRISTOPHER BAUER
ADDRESSEE: PATENT DEPARTMENT CENTRAL
STREET: P.O. BOX 5110
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       TOPOLOGY: linear
MOLECULE TYPE: other nucleic acid
DESCRIPTION: /desc = "DNA (synthetic)"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Sequence 36, Application US/08599252
Patent No. 5705343
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FEDER, JOHN N.
GNIRKE, ANDREAS
KIMMEL, BRUCE E.
THOWAS, WINSTON J.
WOLFF, ROGER K.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             ccAgcriccricegedreec 36
                                                       ZURFLUH, LINDA L
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            TELEPAX: 636-737-5452
INFORMATION FOR SEQ ID NO: 6
SEQUENCE CHARACTERISTICS:
LENGTH: 36 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           APPLICANT: WOLFF, F
TITLE OF INVENTION:
TITLE OF INVENTION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             ILLINOIS: USA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          US-09-344-837A-69
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APPLICANT:
APPLICANT:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            CITY: CHI
STATE: II
COUNTRY:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          US-08-599-252-36
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Gaps

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                     Length 22;
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                                                            Indels
                                                                                                                                                                                                                                                                                                                                                                                                               APPLICANT: Kuo, Mei-chang
APPLICANT: Kuo, Mei-chang
APPLICANT: Morvile, Malcolm
TILE OF INVENTION: RECOMBITOPE PEPTIDES
NUMBER OF SEQUENCES: 76
CORRESPONDENCE ADDRESS:
ADDRESSEE: IMMULOGIC PHARMACEUTICAL CORPORATION
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Score 12.8; DB 1;
Pred. No. 7.5e+02;
0; Mismatches 2;
                   Score 12.8; DB 5;
Pred. No. 7.4e+02;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          CURRENT APPLICATION DATA:
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/07/807,529A
FILING DATE: 19911213
CLASSIFICATION DATA:
FILING DATE: 19911213
APPLICATION NUMBER: US 07/662,276
FILING DATE: 28-FBB-1991
APPLICATION NUMBER: US 07/431,565
FILING DATE: 03-NOV-1889
ATTORNEY/AGENT INFORMATION:
NAME: Channing, Stacey L.
REGISTRATION NUMBER: 11,095
REGISTRATION NUMBER: 11,095
REFERENCE/DOCKET NUMBER: 11,095
REGISTRATION NUMBER: 11,095
REGISTRATION NUMBER: 11,095
RELEPHONE: (617) 494-0060
INPORMATION FOR SEQ ID NO: 641:
SEQUENCE CHARACTERISTICS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            STREET: One Kendall Square, Building 600
                                                              Mismatches
                                                                                                                                                                                                                                            Sequence 64, Application US/07807529A

Patent No. 5547669

GENERAL INFORMATION:
APPLICANT: Rogers, Bruce L.
APPLICANT: Morgenstern, Jay
APPLICANT: Garman, Michard D.
APPLICANT: Garman, Michard D.
APPLICANT: Garman, Walhard D.
APPLICANT: Kuo, Mei-chang
APPLICANT: Ruo, Mei-chang
APPLICANT: Moryile, Malcolm
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC COMPATIBLE
OPERATING SYSTEM: PC-DOS/MS-DOS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 US-08-948-381-3; Sequence 3, Application US/08948381; Patent No. 6274341
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Query Match
Best Local Similarity 87.5%;
Matches 14; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   AATTCTTTGCGGTGGC 20
                   64.0%;
ilarity 87.5%;
Conservative C
                                                                                                        4 ACTCTTCGCGGTGGCA 19
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        ZIP: 02139
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy o
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                NUCLEIC ACID
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                                    Best Local Similarity Matches 14; Conserv
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MOLECULE TYPE:

US-07-807-529A-64
                                                                                                                                                                                                              RESULT 14
US-07-807-529A-64
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                          Query Match
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              APPLICANT: PEDER, JOHN N.
APPLICANT: GNIRKE, ANDREAS
APPLICANT: KIMMEL, BRUCE E.
APPLICANT: THOMAS, WINSTON J.
APPLICANT: WOLFF, ROGER K.
TITLE OF INVENTION: HEMOCHROM TO DIAGNOSE HEREDITARY
TITLE OF INVENTION: HEMOCHROMATOSIS
WUMBER OF SEQUENCES: 124
CORRESPONDENCE ADDRESS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                SEE: MORRISON & FOERSTER
: 2000 Pennsylvania Ave. N.W., Suite 5500
Washington
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          SOFTWARE: Patentin Felease #1.0, Version #1.30 CURRENT APPLICATION DATA:
APPLICATION NUMBER: PCT/US96/06583 FILING DATE:
FILING DATE: 09-FEB-1996
ATTORNEY/AGENT INFORMATION:
NAME: WURASHIGE, KATE H.
REGISTRATION NUMBER: 29,959
REFERENCE/DOCKET NUMBER: 9053-0001.21
TELECOMMUNICATION INFORMATION:
TELEPHONE: (202) 887-1500
TELEPRAK: (202) 887-0763
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     CLASSIFICATION:
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/599,252
FILING DATE: 09-FEB-1996
ATTORNEY/AGENT INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Sequence 36, Application PC/TUS9606583
GENERAL INFORMATION:
APPLICANT: DRAYNA, DENNIS T.
APPLICANT: FEDER, JOHN N.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            ZIP: 20006-1888
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IEM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
                                                                                                                                                                    TELEX: 90-4030
INFORMATION FOR SEQ ID NO: 36: SEQUENCE CHARACTERISTICS: LENGTH: 22 base pairs TYPE: nucleic acid STRANDEDNESS: single
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           NAME: MURASHIGE, KATE H.
REGISTRATION NUMBER: 29,959
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             REGISTATION NOWINGER: 25,737
REFERENCE/DOCKET NUMBER: 90
TELECOMMUNICATION INFORMATION
TELEPHONE: (202) 887-1500
                                                                                                                                                                                                                                                                                                                                                                                                                                                 4 ACTCTTCGCGGTGGCA 19
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INFORMATION FOR SEQ ID NO:
SEQUENCE CHARACTERISTICS:
                                                                                                                                                                                                                                                                                                                                                                                     Best Local Similarity 87.5
Matches 14; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 LENGTH: 22 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              linear
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           ADDRESSEE:
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PCT-US96-06352-36
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          STATE: DC
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GENERAL INFORMATION:

APPLICANT: Bailet, James E.
APPLICANT: Bailet, James E.
APPLICANT: Bailet, James E.
APPLICANT: Remer, Wolfgang A.
ITILE OF INVERTION: A NOVEL CYTOSTATIC PROCESS
ITILETO: BINNERTON: A NOVEL CYTOSTATIC PROCESS
ITILETO: BINNERS:
ADDRESSE: Pennie & Edmonde LLP
STREET: 1155 Avenue of The Americae
CITY: New YORK
COUNTRY: USA
COUNTRY: USA
COUNTRY: USA
CONFUTER READABLE FORM:
MEDIUATION NUMBER: DOM:
COMPUTER IN COUNTRY BEALEST OF SEQUENCE
COMPUTER: IN COUNTRY BEALEST OF SEQUENCE
COMPUTER: IN COUNTRY BEALEST OF SEQUENCE
COMPUTER: APPLICATION DATA: A 155
COMPUTER: APPLICATION DATA: A 155
COMPUTER: APPLICATION DATA: A 155
COMPUTER: A 150
COMPUTER: A 1
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Search completed: June 25, 2003, 00:24:38 Job time: 31.3586 secs

1 CCAACTCTTCGCGGTGGCA 19

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Sequence 16, Appl Sequence 9, Appli Sequence 1234, Ap

Sequence 87104, Sequence 115897, Sequence 125149,

Sequence 65405, Sequence 65406, Sequence 84572,

121314, 124383,

Sequence 4831,

Sequence 1362, Sequence 1303 Sequence 1 Sequence 1

Sequence 5, Apply Sequence 116, Apply Sequence 12433, Apply Sequence 12434, Sequence 12438, Sequence 2279, Apply Sequence 2279, Apply Sequence 2279, Apply Sequence 2279, Apply Sequence 4623, Apply Sequence 4623, Apply Sequence 5279, Apply S

Scoring table:

Searched:

Database

Perfect score:

Sequence:

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Run on:

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Cosman, David J.
Lupton, Stephen D.
Mosley, Bruce A.
Dower, Steven K.
TITLE OF INVENTION: Type II Interleukin-1 Receptors
NUMBER OF SEQUENCES: 14
CORRESPONDENCE ADDRESS:
US-10-098-263B-54377
US-10-098-263B-65405
US-10-098-263B-65405
US-10-098-263B-84572
US-10-098-263B-84572
US-10-098-263B-12549
US-10-098-263B-12549
US-10-098-263B-12549
US-10-098-263B-12549
US-09-961-077-1234
US-09-961-077-1234
US-09-961-077-1234
US-10-098-263B-12433
US-10-098-263B-12433
US-10-098-263B-12433
US-10-098-263B-12433
US-10-098-263B-12433
US-10-098-263B-12433
US-10-098-263B-12433
US-10-098-263B-12433
US-09-864-785-2529
US-09-864-785-2529
US-09-877-478-4623
US-09-877-478-4623
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   FILING DATE: CURCHOWN APPLICATION NUMBER: US/08/091,519
FILING DATE: CURCHOWN APPLICATION NUMBER: US/07/701,415
FILING DATE: CURCHOWN APPLICATION NUMBER: US 07/534,193
FILING DATE: 06-JUN-1990
APPLICATION NUMBER: US 07/573,576
FILING DATE: 12-DEC-1990
APPLICATION NUMBER: US 07/627,071
FILING DATE: 13-DEC-1990
ATTORNEY/AGENT INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  CURPLING TYPE: Floppy disk
COMPUTER: IBM PC compatible
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.24
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/10/199, 209
FILING DATE: 19-Uul-2002
CLASSIFICATION: -Unknown>
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US/09/461,908
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   ALIGNMENTS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          ADDRESSEE: Immunex Corporation
STREET: 51 University Street
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Sequence 5, Application US/10199209
Publication No. US20030060616A1
GENERAL INFORMATION:
APPLICANT: Sims, John E.
                                                      ZIP: 98101
COMPUTER READABLE FORM:
     3
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              CITY: Seattle STATE: WA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    COUNTRY: USA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         US-10-199-209-5
   Sequence 39, Appl
Sequence 23, Appl
Sequence 31566, A
Sequence 17, Appl
Sequence 21, Appl
Sequence 50, Appl
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Sequence 12812, A
Sequence 4, Appli
Sequence 6, Appli
Sequence 160241,
Sequence 116734,
Sequence 116734,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Sequence 5, Appli
Sequence 64, Appl
Sequence 39, Appl
                                                                                                                       June 25, 2003, 13:28:54 ; Search time 60.7968 Seconds (without alignments).
482.732 Million cell updates/sec
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Sequence 50, 7
Sequence 37, At
Sequence 37, 7
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Card 6 prodate 1/pubpa 1/030 PUBCOMB.seq:*
(cgr2 6 prodate 1/pubpa 1/030 PUBCOMB.seq:*
(cgr2 6 prodate 1/pubpa 1/030 PUBCOMB.seq:*
(cgr2 6 prodate 1/pubpa 1/030 PUB.seq:*
(cgr2 6 prodate 1/pubpa 1/030 PUB.seq:*
(cgr2 6 prodate 1/pubpa 1/030 PUB. PUB.seq:*
(cgr2 6 prodate 1/pubpa 1/030 PUB PUB.seq:*
(cgr2 6 prodate 1/pubpa 1/030 PUBCOMB.seq:*
): (cgr2 6 prodate 1/pubpa 1/030 PUBCOMB.seq:*
                                                                                                                                                                                                                                                                                                                                                                   832576
                    GenCore version 5.1.6
Copyright (c) 1993 - 2003 Compugen Ltd.
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US-10-098-263B-12812
US-09-564-756-4
US-09-961-001-6
US-10-098-263B-16129
US-10-098-263B-116734
US-10-098-263B-116734
US-10-098-263B-116734
US-10-098-263B-116734
US-10-098-263B-116734
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US-10-098-253B-31566
US-09-909-849-17
US-09-943-388-21
US-10-002-944-50
US-10-014-229-50
US-10-084-826-37
                                                                                                                                                                                                                                                                                                                                                             Total number of hits satisfying chosen parameters:
                                                                                                                                                                                                                                                                                                                             1042519 segs, 733713590 residues
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   SUMMARIES
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Published_Applications_NA:*
                                                                                                                                                                                                                                                                                                                                                                                                                                                      Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries
                                                                                     - nucleic search, using sw model
                                                                                                                                                                                                                                      1 CCAACTCTTCGCGGTGGCAG 20
                                                                                                                                                                                                                                                                        IDENTITY_NUC
Gapop 10.0 , Gapext 1.0
                                                                                                                                                                                                  US-08-770-564A-7
20
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                                                                                                                                                                                                                                                                                                                                                                                                   Minimum DB seq length: 0 Maximum DB seq length: 50
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Match 1
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Sequence 47805,

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STRANDEDNESS: single
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Best Local Similarity
                                                                                                                                                                                                                                                                                                                            US-09-954-556-39
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        APPLICANT: Rogers, Bruce L.
APPLICANT: Morgenstern, Jay
APPLICANT: Bond, Julian F.
APPLICANT: Garman, Richard D.
APPLICANT: Greenstein, Julia E.
APPLICANT: Kuo, Mei-chang
APPLICANT: Kuo, Mei-chang
APPLICANT: Morvile, Malcolm
TITLE OF INVENTION: RECOMBITOPE PEPTIDES
  NAME: Wight, Christopher L.
REGIGTRATION NUMBER: 31680
REFERENCE/DOCKET NUMBER: 2003-C
TELECOMMUNICATION INFORMATION:
TELEPHAN: 206-587-5570
TELEPRAX: 206-233-0644
INFORMATION FOR SEQ ID NO: 5:
SEQUENCE CHARACTERISTICS:
LENGTH: 46 base pairs
TYPE: nucleic acid
STRANDEDNESS: Single
                                                                                                                                                                                                                    ;
MOLECULE TYPE: DNA (genomic)
HYPOTHETICAL: N
NATI-SENSE: N
SEQUENCE DESCRIPTION: SEQ ID NO: 5:
US-10-199-209-5
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC Compatible
COPENATING SYSTEM: PC-DOS/MS-DOS
SOCTWARE: ASCII TEXT
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/464,363
FILING DATE: 05-UN-1995
PRICH APPLICATION NUMBER: US 07/807,529
FILING DATE: 13-DEC-1991
APPLICATION NUMBER: US 07/662,276
FILING DATE: 28-FEB-1991
APPLICATION NUMBER: US 07/62,276
FILING DATE: 03-NOV-1989
ATTORNEY AGENT INFORMATION:
MANNEY AGENT INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              NAME: Amy E. Mandragouras
REGISTRATION NUMBER: 36,207
REFERENCE/DOCKET NUMBER: IMI-015CN
TELECOMMUNICATION INFORWATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             CORRESPONDENCE ADDRESS:
ADDRESSEE: Lahive & Cockfield
STREET: 60 State Street, Suite 510
CITY: Boston
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    US-08-464-363-64
; Sequence 64, Application US/08464363
; Publication No. US20030035815A1
; GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    TELEPHONE: (617) 227-7400
INFORMATION FOR SEQ ID NO: 64:
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STATE: MA
COUNTRY: US
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Sequence 39, Application US/09954556
Publication No. US20030078219A1
GENERAL INFORMATION:
APPLICANT: Brett P. Monia
APPLICANT: Susan M. Freier
APPLICANT: Scott Cooper
TITLE OF INVERTION: ANTISENSE MODULATION OF FIBROBLAST GROWTH FACTOR RECEPTOR 2 EXPRIFILE REFERENCE: RTS-0250
CURRENT APPLICATION NUMBER: US/09/954,556
CURRENT FILING DATE: 2001-09-14
NUMBER OF SEQ ID NOS: 108
SEQ ID NO 39
LENGTH: 20
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            GENERAL INFORMATION:

GENERAL INFORMATION:

APPLICANT: EUCHS, Sara

APPLICANT: EVCHS, Sara

APPLICANT: ENCHAN, Dora

APPLICANT: BARCHAN, Dora

APPLICANT: BARCHAN, DORA

TITLE OF INVENTION: RECOMBINANT FRAGMENTS OF THE HUMAN ACETYLCHOLINE RECEPTOR AND TH:

TITLE OF INVENTION: FOR TREATMENT OF WYASTHENIA GRAVIS

FILE REFERENCE: FUGHS=2A

CURRENT APPLICATION NUMBER: US/09/820,339A

FRIOR APPLICATION NUMBER: 09/423,398

PRIOR APPLICATION NUMBER: PCT/IL98/00211

PRIOR FILING DATE: 1998-05-06

NUMBER OF SEQ ID NOS: 32

SOFTWARE: PATCHIN VERSION 3.0

SEQ ID NO 23

LENTHR: 24
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Pred. No. 3e+03;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Length 20;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Query Match 63.0%; Score 12.6; DB 9;
Best Local Similarity 78.9%; Pred. No. 3e+03;
Matches 15; Conservative 0; Mismatches 4;
                                                                 Score 12.8; DB 7;
Pred. No. 2.3e+03;
0; Mismatches 2;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            , OTHER INFORMATION: Antisense Oligonucleotide US-09-954-556-39
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Sequence 23, Application US/09820339A
Patent No. US20020081652A1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              1 CCAACTCTTCGCGGTGGCA 19
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           2 ccaacrgarcacccccc 20
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            TYPE: DNA
ORGANISM: Artificial Sequence
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          TYPE: DNA
ORGANISM: Artificial Sequence
                                                                   Query Match
Best Local Similarity 87.5%;
Matches 14; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              OTHER INFORMATION: synthetic US-09-820-339A-23
                                                                                                                                                                     3 AACTCTTCGCGGTGGC
, MOLECULE TYPE: CDNA
US-08-464-363-64
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Sequence 50, Application US/10014269
Pacent No. US20020127673A1
GENERAL INFORMATION:
APPLICANT: Nunez, Gabriel
APPLICANT: Inohara, Naohiro
APPLICANT: Ogur, Yasunori
APPLICANT: Ogur, Yasunori
TITLE OF INVENTION: NOD2 Nucleic Acids and Proteins
FILE REPERENCE: UM-06645
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           2; DB 9;
4.8e+03;
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CURRENT APPLICATION NUMBER: US/09/943,388;
CURRENT FILING DATE: 2001-08-30;
PRIOR APPLICATION NUMBER: 09/839,706
PRIOR APPLICATION NUMBER: 2000-04-25;
PRIOR APPLICATION NUMBER: US 60/199,498
PRIOR APPLICATION NUMBER: 2000-04-25;
NUMBER OF SEQ ID NOS: 44
SOFTWARE: FastSEQ for Windows Version 3.0;
SEQ ID NO 21
LENGTH: 21
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Score 12.2;
Pred. No. 4.
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CURRENT FILING DATE: 2001-10-26
NUMBER OF SEQ ID NOS: 52
SOFTWARE: Patentin version 3.1
SEQ ID NO 50
LENGTH: 21
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            NUMBER OF SEQ ID NOS: 99
SOFTWARE: PatentIn version 3.1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               TYPE: DNA ORGANISM: Artificial Sequence
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Query Match
Best Local Similarity 82.4%;
Matches 14; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        ; FEATURE:
; OTHER INFORMATION: Synthetic
US-10-002-974-50
                                                                                                                                                                                                                                                                                                  Query Match
Best Local Similarity 82.4
Matches 14; Conservative
                                                                                                                                                                                                             ; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-943-388-21
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               RESULT 9
US-10-014-269-50
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                US-10-002-974-50
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        Gaps
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Patent No. US20020106754A1
GENERAL INFORMATION:
GENERAL INFORMATION:
TITLE OF INVENTION: Mucleotide Sequences Which Code for the alr Gene FILE REFERENCE: 032301 WD 173
CURRENT APPLICATION NUMBER: US/09/909,849
CURRENT FILING DATE: 2001-07-23
NUMBER OF SEQ ID NOS: 20
SOFTWARE: Patentin Version 3.1
SEQ ID NO 17
LENGTH: 20
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                                                                                                                                                                                   Sequence 31566, Application US/10098263B

Publication No. US20030104410A1

GENERAL INFORMATION:

APPLICANT: Mitchael

TITLE OF INVENTION: Human Microarray

FILE REPERENCE: 3118.1

CURRENT APPLICATION NUMBER: US/10/098,263B

CURRENT APPLICATION NUMBER: 60/276,759

FRIOR APPLICATION NUMBER: 60/276,759

FRIOR APPLICATION NUMBER: 60/276,759

NUMBER OF SEQ ID NOS: 131066

SOFTWARE: Microarray Probe Sequence Listing Generator V 1.1

LENGTH: 25
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Score 12.4; DB 9; Length 25;
Pred. No. 3.8e+03;
      4; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    1; Indels
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APPLICANT: Webster, Philippa J.
APPLICANT: Rebard C.
TITLE OF INVENTION: Mammalian Glycoprotein Hormone-1
PILE REFERENCE: 00-34
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    0; Mismatches
      0; Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              ; TYPE: DNA; ORGANISM: Corynebacterium glutamicum US-09-909-849-17
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Sequence 21, Application US/09943388
Patent No. US20020160953A1
GENERAL INFORMATION:
                                             1 CCAACTCTTCGCGGTGGCA 19
                                                                                     23 ccgaercrececererea 5
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      62.0%;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      5 TCTTCGCGGTGGTA 18
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Best Local Similarity 92.9
Matches 13, Conservative
    15; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             . ORGANISM: Homo sapien
US-10-098-263B-31566
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US-09-909-849-17
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    Matches
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61.0%; Score 12.2; DB 9; Length 21; 82.4%; Pred. No. 4.8e+03;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Length 21;
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                                                   Indels
                                                                                                                                                                                                                                                                     Sequence 50, Application US/10002974
Publication No. US20020197616A1
GENERAL INPORMATION:
APPLICANT: Unnear, Nachriel
APPLICANT: Inchara, Nachriel
APPLICANT: Cqur, Yasunori
APPLICANT: Gqur, Yasunori
APPLICANT: Gqur, Yasunori
APPLICANT: Gho, Judy
APPLICANT: Bonen, Denise
TITLE OF INVENTION: NOD2 Nucleic Acids and Proteins
FILE REFERENCE: UM-06646
CURRENT APPLICATION NUMBER: US/10/002,974
CURRENT FILING DATE: 2001-10-26
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Query Match
Best Local Similarity
Matches 14; Conserv
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US-10-098-263B-12812
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Fublication No. UG20030049649A1

GENERAL INFORMATION:
APPLICANT:
APPLICANT:
COLLINGWOOD. Trevor
TITLE OF INVENTION: TARGETED MODIFICATION OF CHROMATIN STRUCTURE
FILE REPERBNCE: 8325-0014 / S14-US1
CURRENT PILING DATE: 2002-02-24

PRIOR APPLICATION NUMBER: 09/844,508

PRIOR PLICATION NUMBER: 60/228,523
PRIOR PLILING DATE: 2000-08-28

NUMBER OF SEQ ID NOS: 49

SOFTWARE: PatentIn Ver. 2.0

SEQ ID NO 37

LENGTH: 23
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APPLICANT: WOLFFE, Alan P.
APPLICANT: WOLFFE, Alan P.
TITLE OF INVENTION: TARGETED MODIFICATION OF CHROMATIN STRUCTURE FILE REFERENCE: 8325-0014 / S14-US1
CURRENT APPLICATION NUMBER: 05/09/844,508
CURRENT APPLICATION NUMBER: 60/200,590
PRIOR PILING DATE: 2000-04-28
PRIOR PILING DATE: 2000-04-28
PRIOR FILING DATE: 2000-08-28
NUMBER OF SEQ ID NOS: 49
SOFTWARE: Patentin Ver. 2.0
SEQ ID NO 37
LENGISH: A PATENTIAL OF THE OFFICE OFF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        ; OTHER INFORMATION: Description of Artificial Sequence: GAPDH probe US-10-084-826-37
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 GAPDH probe
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; OTHER INFORMATION: Description of Artificial Sequence:
US-09-844-508-37
                                                                                                                                                                                                                         Score 12.2; DB 12;
Pred. No. 4.8e+03;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Query Match

61.0%; Score 12.2; DB 9;
Best Local Similarity 82.4%; Pred. No. 4.8e+03;
Matches 14; Conservative 0; Mismatches 3;
                                                                                                                                                                                                                                                                                                         0; Mismatches
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TYPE: DNA
ORGANISM: Artificial Sequence
FEATURE:
                                                                                                                                                                                                                             Query Match 61.0%;
Best Local Similarity 82.4%;
Matches 14; Conservative
                                                                                            ; OTHER INFORMATION: Synthetic US-10-014-269-50
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US-09-844-508-37/c
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Patent No. US20020164782A1
GENERAL INPORMATION:
APPLICANT: Gregory, R.J., Armentano, D., Couture, L.A., Smith, A.B.
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Score 12.2; DB 10; Length 23; Pred. No. 4.8e+03;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                         NUMBER OF SEQ ID NOS: 131066
SOFTWARE: Microarray Probe Sequence Listing Generator V 1.1
SEQ ID NO 12812
LENGTH: 25
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Indels
                                             3; Indels
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Pred. No. 4.8e+03;
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APPLICATION NUMBER: 08/136,742
FILLING DATE: 13-0CT-1993
APPLICATION NUMBER: US 07/985,478
FILLING DATE: 03-DEC-1992
ATTORNEY/AGENT INFORMATION:
NAME: Seide Rochelle K.
REGISTRATION NUMBER: 32,300
REFERENCE/DOCKET NUMBER: A30668A
                                                                                                                                                                                                                                       Sequence 12812, Application US/10098263B
) Publication No. US20030104410A1
) GENERAL INFORMATION:
APPLICANT: Mittman, Michael
) TITLE OF INVENTION: Human Microarray
FILE REFERENCE: 3118.1
CURRENT APPLICATION NUMBER: US/10/098,263B
) CURRENT FILING DATE: 2001-08
) PRIOR APPLICATION NUMBER: 60/276,759
PRIOR FILING DATE: 2001-01-6
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/568,756
                                             0; Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       FILING DATE: 11-May-2000 CLASSIFICATION: <Unknown>
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11 Similarity 82.4%;
14; Conservative (
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Best Local Similarity 82.4
Matches 14; Conservative
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; ORGANISM: Homo sapien
US-10-098-263B-12812
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Publication No. US20030104410A1
GENERAL INFORMATION:
APPLICANT: Mitchael
TITLE OF INVENTION: Human Microarray
FILE REPERBENCE: 3118.1
CURRENT APPLICATION NUMBER: 05/20,098,263B
CURRENT FILING DATE: 2003-01-08
PRIOR APPLICATION NUMBER: 60/276,759
PRIOR APPLICATION NUMBER: 60/276,759
PRIOR PILING DATE: 2001-03-16
NUMBER OF SEQ ID NOS: 131066
SOFTWARE: Microarray Probe Sequence Lieting Generator V 1.1
LENGTH: 25
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Sequence 6, Application US/09961001
; Publication No. US20030109466A1
; GENERAL INPORMATION:
; APPLICANT: Brett P. Monia
; APPLICANT: Busan M. Freier
; TITLE OF INVENTION: ANTISENSE MODULATION OF KSR EXPRESSION
; CURRENT APPLICATION WUMBER: US/09/961,001
; CURRENT FILING DATE: 2001-09-20
; NUMBER OF SEQ ID NOS: 87
; SEQ ID NO 6
                                                                                                                                                                                                                                                                                             Query Match
61.0%; Score 12.2; DB 9; Length 36;
Best Local Similarity 82.4%; Pred. No. 4.8e+03;
Matches 14; Conservative 0; Mismatches 3; Indels
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60.0%; Score 12; DB 9; Length 23;
Best Local Similarity 75.0%; Pred. No. 6.1e+03;
Matches 15; Conservative 0; Mismatches 5; Indels
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                       ; TELPRAX: (212) 765-2519
; INPORMATION FOR SEQ ID NO: 4:
; SEQUENCE CHARACTERISTICS:
; ELBOTH: 36 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; MOLECULE TYPE: clarar
; SEQUENCE DESCRIPTION: SEQ ID NO: 4:
US-09-568-756-4
TELECOMMUNICATION INFORMATION
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ORGANISM: Artificial Sequence
PEATURE:
OTHER INFORMATION: PCR Probe
US-09-961-001-6
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75.0%;
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; ORGANISM: Homo sapien
US-10-098-263B-46129
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Best Local Similarity
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US-09-961-001-6
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CGDAZ 6/Ptodata/2/pna/US06_COMB.seq:*
CGDAZ 6/Ptodata/2/pna/US08_COMB.seq:*
CGDAZ 6/Ptodata/2/pna/US08_COMB
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GenCore version 5.1.6
Copyright (c) 1993 - 2003 Compugen Ltd.
                                                                                                                                                                                                                                                                                                                                                                                                                                                       24791104 segs, 12571243825 residues
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Total number of hits satisfying chosen parameters:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries
                                                                                                 - nucleic search, using sw model
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                                                                                                                                                                                                                                                                                                                      1 CCAACTCTTCGCGGTGGCAG 20
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Gapop 10.0 , Gapext 1.0
                                                                                                                                                                                                                                                           US-08-770-564A-7
20
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                                                                                                    OM nucleic
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Database

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Cgn2_6/ptodata/2/pna/US6001_COMB.seq:
Cgn2_6/ptodata/2/pna/US6001_COMB.seq:
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Cgn2_6/ptodata/2/pna/US6023_COMB.seq:
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Cgn2_6/ptodata/2/pna/US6023_COMB.seq:
Cgn2_6/ptodata/2/pna/US6032_COMB.seq:
Cgn2_6/ptodata/2/pna/US6033_COMB.seq:
CGN2_6/ptodata/2/pna/US6033_COMB
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Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

Description		9-7 Sequence 7, Appli	4A-7 Sequence 7, Appli	S	Seguence 5,	4-105231 Sequence 105231,	4A-105231 Sequence 105231,	4B-105231 Sequence 105231,	9-86453 Sequence 86453, A	-15 Sequence 15, Appl	7-198291 Sequence 198291,	4-564849 Sequence 564849,	6-198291 Sequence 198291,	7-550890 Sequence 550890,	7-207601 Sequence 207601,	8-42 Sequence 42, Appl	8-242 Sequence 242, App	Sequence 243,	Sequence 20311	4-564846 Sequence 564846,	
SUMMARIES		PCT-US97-23619-7	US-08-770-564A-7	PCT-US97-23619-5	US-08-770-564A-5	US-09-956-604-105231	US-09-956-604A-10523	US-09-956-604B-105231	US-60-234-049-86453	US-08-521-634-15	US-09-954-427-198291	US-09-956-584-564849	US-60-233-166-198291	US-60-234-017-550890	US-60-353-987-207601	US-09-338-248-42	US-09-338-248-242	US-09-338-248-243	US-09-660-220-20311	US-09-956-584-564846	US-60-234-017-550884
* Duery Match Length DB		20 1	20. 11	30 1	30 11	25 36	25 36	25 36	25 67	24 9	25 36	25 36	25 67	25 67	25 79	36 17	36 17	36 17	25 26	25 36	25 67
% Query Match I		100.0	100.0	100.0	100.0	90.0	90.0	90.0	90.0	80.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	0.69	69.0	69.0
Score		20	20	20	20	18	18	18	18	16	14.2	14.2	14.2	14.2	14.2	14.2	14.2	14.2	13.8	13.8	13.8
Result No.	1 1 1	1	8	٣	4	O S	φ υ	0	ω υ	ი	10	o 11	12	c 13	c 14	c 15	16	17	c. 18	c 19	c 20

Sequence 283954,

US-60-353-987-283954

79 25

Gaps

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GENERAL INFORMATION:
GENERAL INFORMATION:
APPLICANT: Kealey, James T.
APPLICANT: Pruzan, Ron
APPLICANT: Weinrich, Scott L.
TITLE OF INVENTION: Inhibitory Polynucleotides Directed
TITLE OF INVENTION: Against the RNA Component of Telomerase
NUMBER OF SEQUENCES: 15
CORRESPONDENCE ADDRESS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       100.0%; Score 20; DB 11; Length 20; 100.0%; Pred. No. 8; ive 0; Mismatches 0; Indels
                                                                                                                                                                                                                                                                                                                                       Query Match 100.0%; Score 20; DB 1; Length 20; Best Local Similarity 100.0%; Pred. No. 8; Matches 20; Conservative 0; Mismatches 0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  STATE: CA
COUNTRY: USA
ZIP: 94111
COMPUTER READABLE FORM:
MEDIUW TYPE: Floppy disk
COMPUTER: IBM PC compatible
COMPUTER: IBM PC compatible
COMPUTER: IBM PC compatible
COMPUTER: Patentin Release #1.0, Version #1.30
SOFTWARE: Patentin Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/770,564A
FILING DATE: 20-DEC-1996
CLASSIFICATION 514
ATYONEY/AGBTY INPORMATION:
NAME: Storella, John R:
REGISTRATION NUMBER: 32,944
REFERENCE/DOCKET NUMBER: 32,944
REFERENCE/DOCKET NUMBER: 32,944
RELECOMMUNICATION INPORMATION:
TELECOMMUNICATION INPORMATION:
TELECOMMUNICATION INPORMATION:
TELERPAK: 415-576-0200
INPORMATION FOR SEQ ID NO: 7:
SEQUENCE CHRAACTERISTICS:
ILENTH: 20 Dase pairs
INDOTES AND ASSISTICS:
ILENTH: 20 Dase pairs
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                                                                                                                    MOLECULE TYPE: DNA
FEATURE:
NAME/KEY:
COCATION: 1..20
OTHER INFORMATION: /note= "oligo 16bc"
PCT-US97-23619-7
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Best Local Similarity 100.
Matches 20; Conservative
20 base pairs
                                TYPE: nucleic acid
STRANDEDNESS: single
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                                                                                              linear
                                                                                              TOPOLOGY:
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PCT-US97-23619-5
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US-08-770-564A-7
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Sequence 59515, A
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                                                                                                                                     Sequence 392741,
                                                                                                                                                               Sequence 487890,
                                                                                                                                                                                                                                                                                                                       Sequence 294574,
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Seguence 446035,
                                                                                                 Sequence 288027,
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APPLICANT:
TITLE OF INVENTION: Methods for Detecting and Inhibiting the TITLE OF INVENTION: RNA Component of Telomerase
NUMBER OF SEQUENCES: 29
CORRESPONDENCE ADDRESS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            CONTY: San Francisco STREET: Two Embarcadero Center, Eighth Floor CITY: San Francisco Center, Eighth Floor CITY: San Francisco Center, Eighth Floor CITY: San Francisco Center, Eighth Floor STATE: California California Country: USA COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk COMPUTER: IBM PC COMPUTER: Floppy disk COMPUTER: IBM PC COMPUTER: OPERATION SYSTEM: PC-DOS/MS-DOS SOFTWARE: Patentin Release #1.0, Version #1.30 CURRENT APPLICATION DATA:
APPLICATION NUMBER: PCT/US97/23619 FILING DATE: Not yet assigned CLASSIFICATION DATA: APPLICATION DATA: APPLICATION DATA: APPLICATION DATA: APPLICATION DATA: APPLICATION DATA: APPLICATION DATA: SPELING DATE: 20-DEC-1996 FILING DATE: 20-DEC-1996 FILING DATE: 20-DEC-1996 ATTORNEY/AGENT INFORMATION: NUMBER: US 08/770,565 FILING DATE: APPLICATION NUMBER: US 08/770,565 FILING DATE: APPLICATION NUMBER: US 08/770,565 ATTORNEY/AGENT INFORMATION: NUMBER: US 08/770,565 ATTORNEY/AGENT NUMBER: US 08
   US-10-056-229-224
US-09-954-427-159814
US-09-956-584-2882310
US-09-956-584-288021
US-09-956-584-287210
US-09-956-694-48799
US-09-956-604-67492
US-09-956-6048-67492
US-09-956-6048-67492
US-09-956-6048-67492
US-09-956-6048-67492
US-09-956-6048-67492
US-00-234-017-294574
US-60-234-017-316320
US-60-234-017-496035
US-60-335-99785-3744-17488
US-09-755-3744-17488
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US-09-396-196G-59504
US-09-396-196G-59515
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TELEPAX: (415) 576-0300
INFORMATION FOR SEQ ID NO: 7:

SEQUENCE CHARACTERISTICS:
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Gaps

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Sequence 10521, Application US/09956604
GENERAL INFORMATION:
APPLICANT: Mittmann, Michael
TITLE OF INVENTION: Methods of Genetic Analysis of Escherichia coli;
FILE REFERENCE: 1117.1
CURRENT APPLICATION NUMBER: US/09/956,604
CURRENT FILING DATE: 2001-09-19
FRIOR FILING DATE: 2000-09-19
RIOR FILING DATE: 2000-09-19
NUMBER OF SEQ ID NOS: 141629
SOUTHARE: Microarray Probe Sequence Listing Generator V 1.1
LENGTH: 25
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APPLICATION NUMBER: US/08/770,564A
FILING DATE: 20-DEC-1996
CLASSIFICATION: 514
ATTONEX/AGENT INFORMATION:
NAME: Storella, John R. REGISTRATION NUMBER: 32,944
REFERENCE/DOCKET NUMBER: 015389-002200US
TELEPOMUNICATION INFORMATION:
TELEPOMUNICATION INFORMATION:
TELEPEAX: 415-576-0300
       TOWNSEND and CREW LLP
                         STREET: Two Embarcadero Center, 8th Floor
CITY: San Francisco
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Mismatches
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US-059-956-604A-105231/c
Sequence 10521, Application US/09956604A
; GENERAL INFORMATION:
                                                                                                                                   COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
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100.0%; Pre
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    TOWNSEND and
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Matches 20; Conservative
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US-09-956-604-105231
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Best Local Similarity 100.
Matches 18; Conservative
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INFORMATION FOR SEQ ID NO:
SEQUENCE CHARACTERISTICS:
LENGTH: 30 base pairs
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    TYPE: nucleic acid
STRANDEDNESS: single
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US-09-956-604-105231/c
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                                                                      STATE: C
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                                                                                                                                                                           Methods for Detecting and Inhibiting the RNA Component of Telomerase
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APPLICANT: Pruzan, Ron
APPLICANT: Pruzan, Ron
TITLE OF INVENTION: Inhibitory Polynucleotides Directed
TITLE OF INVENTION: Against the RNA Component of Telomerase
NUMBER OF SEQUENCES: 15
CORRESPONDENCE ADDRESS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               100.0%; Score 20; DB 1; Length 30; 100.0%; Pred. No. 8.2;
                                                                                  APPLICANT:
APPLICANT:
APPLICANT:
TITLE OF INVENTION: Methods for Detecting
TITLE OF INVENTION: RNA COMPONENT Of Telomerase
NUMBER OF SEQUENCES: 29
CORRESPONDENCE ADDRESS:
ADDRESSEE: Two Embarcadero Center, Eighth Floor
Francisco
                                                                                                                                                                                                                                                                                                                                                        COUNTRY: USA
ZIP: 94111-3834
COMPUTER READABLE FORM:
MEDIUW TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: PCT/US97/23619
FILING DATE: Not yet assigned
CLASSIPICATION:
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APPLICATION NUMBER: US 08/770,564
FILING DATE: 20-DEC-1996
PRIOR APPLICATION NUMBER: US 08/770,565
PRIOR APPLICATION NUMBER: US 08/770,565
PILING DATE: 20-DEC-1996
ATTORNEY, AGENT INPORMATION:
NAME: SLOTELLA, JOHN R.
REGISTRATION NUMBER: 32,944
REPERENNEY, OCHEN NUMBER: 15389-27PC
TELECOMMUNICATION INFORMATION:
TELEPHONE: (415) 576-0300
INFORMATION FOR SEQ ID NO: 5:
SEQUENCE CHARACTERISTICS:
LENGTH: 30 base pairs
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            NAME/KEY: -
1.30
1.0CATION: 1..30
PCT-US97-23619-5
PCT-US97-23619-5
Sequence 5, Application PC/TUS9723619 GENERAL INFORMATION:
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Best Local Similarity 100.0
Matches 20; Conservative
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STRANDEDNESS: single
TOPOLOGY: linear
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Pred. No. 1e+03;
0; Mismatches 0; Indels
                             0; Indels
                                                                                                                                                                                                                                                                                     APPLICANT: Feng, Junia
APPLICANT: Feng, Junia
APPLICANT: Funk, Walter
APPLICANT: Andrews, William
TITLE OF INVENTION: Mammalian Telomerase
NUMBER OF SEQUENCES: 66
ADDRESSEE: Townsend and Townsend and Crew
STREET: One Market Plaza, Steuart Tower, Suite 2000
CITY: San Francisco
STATE: California
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            SOFTWARE: Patentin Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/521,634
                               Mismatches
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TELECOMMUNICATION INFORMATION:
TELEPHONE: 415-326-2400
      100.0%; Pred. No. tive 0; Mismatc
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 PADLICATION NUMBER: US 08/472,802
PILING DATE: 7-UNL-1995
PRICATION DATA:
APPLICATION DATA:
APPLICATION NUMBER: US 08/330,123
FILING DATE: 27-OCT-1994
PRICATION NUMBER: US 08/272,102
FILING DATE: 7-UL-1994
ATTORNEY/AGENT INFORMATION:
NAMM: DUMI, Tracy J.
REGISTRATION NUMBER: 34,587
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       TOPOLOGY: linear
MOLECULE TYPE: DNA (oligonucleotide)
US-08-521-634-15
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       FILING DATE: 31-AUG-1995
CLASSIFICATION: 435
IOR APPLIANCE
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/482,115
FILING DATE: 7-UUN-1995
FRICK PROLICATION DATA:
APPLICATION NUMBER: US 08/472,802
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
                                                                                                                                                                                                                        Sequence 15, Application US/08521634 GENERAL INFORMATION:
                                                                                                                                                                                                                                                                        APPLICANT: Villeponteau, Bryant
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100.08; Pr
                                                                        GGCA 19
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                           18; Conservative
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Best Local Similarity 100.
Matches 16; Conservative
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    COMPUTER READABLE FORM: MEDIUM TYPE: Floppy
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      Best Local Similarity
Matches 18; Conserv
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US-09-954-427-198291
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US-08-521-634-15/c
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TITLE OF INVENTION: Methods of Genetic Analysis of Escherichia coli
FILE REFERENCE: 3117.1
CURRENT APPLICATION NUMBER: US/09/956,604B
CURRENT PILING DATE: 2001-09-19
PRIOR PILING DATE: 2000-09-19
NUMBER: OF SEQ ID NOS: 141629
SOPTWARE: Microarray Probe Sequence Listing Generator V 1.1
SEQ ID NO 105231
TITLE OF INVENTION: Methods of Genetic Analysis of Escherichia coli PILE REFERENCE: 3117.1
CURRENT APPLICATION NUMBER: US/09/956,604A
CURRENT FILING DATE: 2001-09-19
PRIOR APPLICATION NUMBER: 60/234,049
PRIOR FILING DATE: 2000-09-19
NUMBER OF SEQ ID NOS: 141629
SOFTWARE: Microarray Probe Sequence Listing Generator V 1.1
SEQ ID NO 105231
LENGTH: 25
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GENERAL INFORMATION:
APPLICANT: Mittmann, Michael
APPLICANT: Affymetrix, Inc.
TITLE OF INVENTION: Methods of Genetic Analysis of
TITLE OF INVENTION: Escherichia coli
FILE REPERENCE: 3117
CURRENT APPLICATION UNMER: US/60/234,049
CURRENT FILING DATE: 2000-09-19
NUMBER OF SEQ ID NOS: 141629
SOFTWARE: FastSEQ for Windows Version 4.0
SEQ ID NO 86453
                                                                                                                                                                                                                                                                                                                                                         0; Mismatches
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US-60-234-049-86453
                                                                                                                                                                                                                                                                                                         Query Match 90.0%; Score 18; Best Local Similarity 100.0%; Pred. No. Matches 18; Conservative 0; Mismatcl
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           US-09-956-604B-105231/c
; Sequence 105231, Application US/09956604B
; GENERAL INFORMATION:
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Matches 18; Conservative 0
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                                                                                                                                                                                                                          ; TYPE: DNA; CACherichia coli
US-09-956-604A-105231
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        TYPE: DNA ORGANISM: Escherichia coli
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PUBLICATION INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             US-60-234-049-86453/c
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Score 14.2; DB 67;
Pred. No. 8.8e+03;
0; Mismatches 3;
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Pred. No. 8.8e+03;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Score 14.2; DB 79;
Pred. No. 8.8e+03;
0; Mismatches 3;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          0; Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           ORGANISM: Mus musculus
PUBLICATION TRYORMATION:
DATABASE ACCESSION NUMBER: Genbank AV100189
US-60-234-017-550890
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    0; Mismatches
; PUBLICATION INFORMATION:
; DATABASE ACCESSION NUMBER: GenBank AA998576
US-60-233-166-198291
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       RESULT 14
US-60-353-987-207601/c
; Sequence 207601, Application US/60353987
; GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Sequence 42, Application US/09338248 GENERAL INFORMATION:
                                                                                                                                                         2 CAACTCTTCGCGGTGGCAG 20
                                                                                                                                                                                            7 CAAGACTTCGCAGTGGCAG 25
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           1 CCAACTCTTCGCGGTGGCA 19
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 1 CCAACTCTTCGCGGTGGCA 19
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84.2%;
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                                                                             71.0%;
84.2%;
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Best Local Similarity 84.4%,
Best Local Similarity 84.4%,
                                                                             Query Match 71.03
Best Local Similarity 84.23
Matches 16; Conservative
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Best Local Similarity 84.2
Matches 16; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   TYPE: DNA
CORGANISM: Homo sapien
US-60-353-987-207601
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               RESULT 15
US-09-338-248-42/c
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LENGTH: 25
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US-09-956-584-564849/C
; Sequence 564849, Application US/09956584
; GENERAL INFORMATION:
; APPLICANT: Mittman, Michael
; TITLE OF INTENTION: Methods of Genetic Analysis of Mus Musculus
; TILE REFERENCE: 3115.1
; CURRENT APPLICATION NUMBER: US/09/956,584
; CURRENT APPLICATION NUMBER: US/09/956,584
; PRIOR PILING DATE: 2001-09-19
; PRIOR FILING DATE: 2000-09-20
; NUMBER OF SEQ ID NOS: 605887
; SOFTWARE: Microarray Probe Sequence Listing Generator V 1.1
; SEQ ID NO 564849
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              ö
                                                                                                                                                                                                                                                                                                                                                                            Length 25;
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GENERAL INFORMATION:
APPLICANT: Mittmann
APPLICANT: Mittmann
APPLICANT: Affametrix, Inc.
TITLE OF INVENTION: Methods of Genetic Analysis of the Rat
TITLE OF INVENTION: Genome
FILE REPERENCE: 3112
CURRENT PILLING DATE: 2000-10-24
NUMBER OF SEQ ID NOS: 420907
SOFTWARE: FREISEQ for Windows Version 4.0
                                                     APPLICANT: Affymetrix, Inc.
TITLE OF INVENTION: Methods of Genetic Analysis of the Rat
TITLE OF INVENTION: Genome
FILE REFERENCE: 3112
CURRENT PEPLICATION NUMBER: US/09/954,427
CURRENT FILING DATE: 2001-09-17
NUMBER OF SEQ ID NOS: 420907
SOFTWARE: PastSEQ for Windows Version 4.0
SEQ ID NO 198291
LENGTH: 25
                                                                                                                                                                                                                                                                                                                                                                                                                 Indels
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                                                                                                                                                                                                                                                                                                                                                                          71.0%; Score 14.2; DB 36;
84.2%; Pred. No. 8.8e+03;
tive 0; Mismatches 3;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Score 14.2; DB 36;
Pred. No. 8.8e+03;
0; Mismatches 3;
                                                                                                                                                                                                                                                                                          PUBLICATION INFORMATION:
DATABASE ACCESSION NUMBER: GenBank AA998576
Sequence 198291, Application US/09954427
GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                        2 CAACTCTTCGCGGTGGCAG 20
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   1 CCAACTCTTCGCGGTGGCA 19
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84.2%;
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Best Local Similarity 84.2
Matches 16, Conservative
                                                                                                                                                                                                                                                                                                                                                                                           Best Local Similarity 84.2
Matches 16; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     ; TYPE: DNA
; ORGANISM: Mus musculus
US-09-956-584-564849
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        US-60-233-166-198291
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LENGTH: 25
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Gaps
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TITLE OF INVENTION: Methods of Genetic Analysis of Probes: HG-U133
FILE REPERENCE: 3121
CURRENT APPLICATION NUMBER: US/60/353,987
CURRENT FILING DATE: 2002-02-01
NUMBER OF SEQ ID NOS: 997516
SOFTWARE: Microarray Probe Sequence Listing Generator V 1.1
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Length 25;
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                                                                                                                                                                                   RESULT 13
US-60-234-017-550890/c

i Sequence 550890, Application US/60234017

j GENERAL INFORMATION:
    APPLICANT: Mitthann, M
    TITLE OF INVENTION: Methods of Genetic Analysis of Mus
    TITLE OF INVENTION: musculus
    FILE REPERENCE: 3115
    CURRENT APPLICATION NUMBER: US/60/234,017
    CURRENT FILING DATE: 2000-09-20
    NUMBER OF SEQ ID NOS: 605887
    SOFTWARE: TaskSEQ for Windows Version 4.0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Indels
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0

0; Gaps

Search completed: June 25, 2003, 06:20:25 Job time : 1698.67 secs

us-08-770-564a-7.rnpn

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GenCore version 5.1.6
Copyright (c) 1993 - 2003 Compugen Ltd.
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OM nucleic - nucleic search, using sw model

June 25, 2003, 13:28:55 ; Search time 477.769 Seconds (without alignments) 292.710 Million cell updates/sec Run on:

US-08-770-564A-7 20 1 CCAACTCTTCGCGGTGGCAG 20

Title: Perfect score:

Sequence:

IDENTITY NUC Gapop 10.0 , Gapext 1.0 Scoring table:

7860393 seqs, 3496198572 residues Searched:

8677950 Total number of hits satisfying chosen parameters:

Minimum DB seq length: 0 Maximum DB seq length: 50

Post-processing: Minimum Match 0% Maximum Match 100% Listing first 45 summaries

Database :

Pending_Patents_NA_New:*

1: /cgn2_6/ptodata/1/pna/USO6_NEW_COMB.seq:*

2: /cgn2_6/ptodata/1/pna/USO6_NEW_COMB.seq:*

3: /cgn2_6/ptodata/1/pna/USO8_NEW_COMB.seq:*

4: /cgn2_6/ptodata/1/pna/USO8_NEW_COMB.seq:*

5: /cgn2_6/ptodata/1/pna/USO8_NEW_COMB.seq:*

6: /cgn2_6/ptodata/1/pna/USO8_NEW_COMB.seq:*

7: /cgn2_6/ptodata/1/pna/USO8_NEW_COMB.seq2:*

8: /cgn2_6/ptodata/1/pna/USO8_NEW_COMB.seq2:*

9: /cgn2_6/ptodata/1/pna/USO8_NEW_COMB.seq2:*

10: /cgn2_6/ptodata/1/pna/USO8_NEW_COMB.seq2:*

11: /cgn2_6/ptodata/1/pna/USO8_NEW_COMB.seq2:*

12: /cgn2_6/ptodata/1/pna/USO8_NEW_COMB.seq2:*

13: /cgn2_6/ptodata/1/pna/USO8_NEW_COMB.seq2:*

13: /cgn2_6/ptodata/1/pna/USO8_NEW_COMB.seq2:*

13: /cgn2_6/ptodata/1/pna/USO8_NEW_COMB.seq2:*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

		•																		
Description	Sequence 588, App		Sequence 6, Appli	Sequence 7701, Ap	Sequence 207601,	Sequence 776553,	Sequence 4, Appli	Sequence 5, Appli	Sequence 258, App	Sequence 593, App	Sequence 401411,	Sequence 20311, A	Sequence 283954,	Sequence 239182,	Sequence 294455,	Sequence 546726,	Sequence 424019,	Sequence 139, App	Sequence 850409,	Sequence 374528,
ΩI	PCT-US03-04088-588	PCT-US03-04088-530	US-09-890-648-6	US-10-299-054A-7701	US-10-355-577-207601	US-60-427-808-776553	US-09-462-405C-4	US-10-009-792A-5	PCT-US03-04088-258	PCT-US03-04088-593	US-60-427-836-401411	US-09-660-222-20311	US-10-355-577-283954	US-60-427-808-239182	US-60-427-808-294455	US-60-427-808-546726	US-60-427-836-424019	US-09-964-059B-139	US-10-355-577-850409	US-60-427-808-374528
80	7	ч	9	10	σ	12	ß	2	-	-	12	9	σ	12	12	12	12	9	σ	12
* Query Match Length DB	21	23	31	43	25	25	34	20	19	21	25	25	25	25	25	25	25	20	25	25
Query Match	80.0	80.0	74.0	74.0	71.0	71.0	71.0	71.0	70.0	70.0	70.0	0.69	0.69	0.69	69.0	69.0	0.69	68.0	68.0	68.0
Score	16	16	14.8	14.8	14.2	14.2	14.2	14.2	14	14	14	13.8	13.8	13.8	13.8	13.8	13.8	13.6	13.6	13.6
ult No.	-	~	m	4	ហ	9	7	œ	0	10	11	12	13	14	15	16	11	18	19	20
Result No.	υ	υ			υ			O	υ			υ		υ	υ	υ			υ	U

Seguence 823538,	Sequence 823539,	Sequence 37984, A	Sequence 386767,	Sequence 386768,	Sequence 654361,	Sequence 5, Appli	Sequence 1381, Ap	Sequence 225795,	Sequence 270910,	Sequence 599429,	Sequence 600356,	Sequence 806473,	Sequence 12321, A	Sequence 252863,	Sequence 252864,	Sequence 295640,	Seguence 276560,	Sequence 296253,	Sequence 342508,	Sequence 342509,	Sequence 1492, Ap	Sequence 7814, Ap	Sequence 22, Appl	Sequence 286, App
US-60-427-808-823538	US-60-427-808-823539	US-60-288-292-37984	US-10-355-577-386767	US-10-355-577-386768	US-10-355-577-654361	US-10-199-209A-5	US-09-953-570-1381	US-10-355-577-225795	US-10-355-577-270910	US-10-355-577-599429	US-10-355-577-600356	US-10-355-577-806473	US-60-427-808-12321	US-60-427-808-252863	US-60-427-808-252864	US-60-427-808-295640	US-60-427-836-276560	US-60-427-836-296253	US-60-427-836-342508	US-60-427-836-342509	US-10-089-177-1492	US-10-325-899-7814	PCT-US03-04088-22	PCT-US03-04088-286
12	12	12	σ	6	σ	70	7	<u>σ</u>	σ	0	0	σ	12	12	12	12	12	12	12	12	σ	6	н	7
25	25	45	25	25	25	46	25	25	25	25	25	. 25	25	25	25	25	25	25	25	25	56	20	19	19
68.0	68.0	68.0	67.0	67.0	67.0	67.0	0.99	0.99	0.99	0.99	0.99	0.99	0.99	0.99	66.0	0.99	0.99	0.99	0.99	0.99	0.99	0.99	65.0	65.0
13.6	13.6	13.6	13.4	13.4	13.4	13.4	13.2	13.2	13.2	13.2	13.2	13.2	13.2	13.2	13.2	13.2	13.2	13.2	13.2	13.2	13.2	13.2	13	13
21	22	23	24	25	56	27	28	53	30	31	32	33	m	32	36	37	m	33	40	41	42	43	44	45
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ALIGNMENTS

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rase Gene	sequence/siNA sense
elome	et 86
RNA (Target
ULT 1 -US03-04088-588/c -US03-04088-588/c SURJICATION: APPLICANT: Ribozyme Pharmaceuticals, Inc. APPLICANT: McSw4z10N: APPLICANT: Wcsw2z10N: APPLICANT: Wcsw2x10N: APPLICANT: W	Sequence:
JLT 1 -US03-04088-588/c squence 588, Application PC/TUS0304088 SMERAL INFORMATION: APPLICANT: Ribozyme Pharmaceuticals, Inc. APPLICANT: Beigelman, Leonid ITLE OF INVENTION: Expression Using Short In FILE OF INVENTION UNBER: PCT/US03/4088 PRIOR PELLOATION NUMBER: US 60/358,580 PRIOR APPLICATION NUMBER: US 60/358,782 PRIOR APPLICATION NUMBER: US 60/363,124 PRIOR PELLING DATE: 2002-03-11 PRIOR PELLING DATE: 2002-06-06 PRIOR PELLING DATE: 2002-06-06 PRIOR APPLICATION NUMBER: US 60/408,378 PRIOR PELLING DATE: 2002-09-05 PRIOR PELLING DATE: 2002-09-09 PRIOR PELLING DATE: 2002-09-09 PRIOR FILING DATE: 2003-01-15 VALUES: PAPEL CAPITON NUMBER: US 60/440,129 VALUES: PAPEL CAPITON VUMBER: U	FEATURE: OTHER DIPORMATION: Description of Artificial USO3-04088-588
cals, rrence (Usin 80) (Vusos) //356, //368, //408, //408,	of A
n PC/TUS James Ja	iptior n
TULT 1 TITUS 03-04088-588/C Sequence 588, Application PC/TUS0304088 GENERAL INFORMATION: APPLICANT: Ribozyme Pharmaceuticals, Inc. APPLICANT: McSwiggen, James APPLICANT: Beigelman, Leonid TITLE OF INVENTION: Expression Using Shc TITLE OF INVENTION: Expression Using Shc TITLE OF INVENTION: Expression Using Shc CURRENT APPLICATION NUMBER: PCT/US03/0408 CURRENT PILING DATE: 2002-04-20 PRIOR PLILING DATE: 2002-07-17 PRIOR PLILING DATE: 2002-03-11 PRIOR PLILING DATE: 2002-03-11 PRIOR PRILING DATE: 2002-06-06 PRIOR FILING DATE: 2002-06-06 PRIOR PLILING DATE: 2002-06-05 PRIOR PLILING DATE: 2002-09-05 PRIOR PLILING DATE: 2002-09-05 PRIOR PLILING DATE: 2002-09-05 PRIOR APPLICATION NUMBER: US 60/406,784 PRIOR PLILING DATE: 2002-09-05 PRIOR PLILING DATE: 2002-09-05 PRIOR PLILING DATE: 2002-09-05 PRIOR PLILING DATE: 2002-09-05 PRIOR FILING DATE: 2002-09-09 PRIOR FILING DATE: 2002-09-09 PRIOR FILING DATE: 2003-01-15 NUMBER OF SEQ ID NOS: 626 SEQ ID NO 588 LENGTH: 21 TYPE: RNA ORGANISM: Artificial	FEATURE: OTHER INFORMATION: Descri OTHER INFORMATION: region US03-04088-588
588/c Applicatic Applicatic MATION: Phe MCSwiggen, MCSwiggen, Belgelman, ENTION: RN ICCE: 02-708	TION: TION: 8
04088-588/c e 588, Applice in Formation and: Ribozyme and:	: NFORMA NFORMA 188-58
TITUE OF THE OFFICE OF SEQUENCE OF SEQUENC	FEATURE: OTHER IN OTHER IN US03-040
PCT-US03-04088-588/C Sequence 588, Appl Sequence 588, Appl GENERAL INFORMATIO APPLICANT: McSwi APPLICANT: Beige TITLE OF INVENTIO PRIOR PILING DATE PRIOR APPLICATION PRIOR PELLING DATE PRIOR FILING DATE PRIOR PELLING DATE PRIOR FILING DATE PRIOR FILI	; FEATURE: ; OTHER INFORMAT; ; OTHER INFORMAT: PCT-US03-04088-588

ö Gaps ö Query Match 80.0%; Score 16; DB 1; Length 21; Best Local Similarity 100.0%; Pred. No. 3.2e+02; Matches 16; Conservative 0; Mismatches 0; Indels

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Strand = positive ConnectronObjectNumber
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US-10-355-577-207601/C
Sequence 207601, Application US/10355577
GENERAL INFORMATION:
APPLICANT: Mittmann, Michael
TITLE OF INVENTION: Methods of Genetic Analysis of Probes: HG-U133; FILE REPRENCE: 3121
CURRENT APPLICATION NUMBER: US/10/355,577
CURRENT FILING DATE: 2003-01-31
NUMBER OF SEQ ID NOS: 997516
SOFTWARE: Microarray Probe Sequence Listing Generator V 1.1
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Length 31;
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Pred. No. 1.4e+03;
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GENERAL INPORMATION:
APPLICANT: Var Mei Janu
TITLE OF INVENTION: Methods of Genetic Analysis of Mouse
TITLE OF INVENTION: Methods of Genetic Analysis of Mouse
TITLE OF INVENTION: UNMER: US/60/427,808
CURRENT FILING DATE: 2002-11-20
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   TYPE: DNA ORGANISM: Mycobacterium tuberculosis complete genome.
                                                                                                                                                                                                                                                                                                                     APPLICANT: Feldmann, Richard J.; Global Determinants, TITLE OF INVENTION: Mycobacterium tuberculosis comple; FILE REFERENCE: Jun Zegeer Law Offices - 703-684-8333 CURRENT PPLINGS Jun NUMBER: US/10/299,054A CURRENT FILING DATE: 2003-03-03 NUMBER OF SEQ ID NOS: 11910 SOFTWARE: Proprietary SEQ ID NO 7701
LENGTH: 43
       Score 14.8; DB 6;
Pred. No. 1.4e+03;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Score 14.2; DB 9;
Pred. No. 2.8e+03;
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                                                            Mismatches
                                                                                                                                                                                                                                                                             Sequence 7701, Application US/10299054A GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    ; LOCATION: (3056464)...(3056506) ; OTHER INFORMATION: Chromosome = 1 US-10-299-054A-7701
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                                                                                                            3 AACTCTTCGCGGTGGCAG 20
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84.2%;
            74.0%;
88.9%;
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Best Local Similarity 88.5-
Best Local Similarity 186.5-
Conservative
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Best Local Similarity 84.2
Matches 16; Conservative
                                                            16; Conservative
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; ORGANISM: Homo sapien
US-10-355-577-207601
                                Best Local Similarity
Matches 16; Conserv
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US-60-427-808-776553
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LENGTH: 25
               Query Match
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PCT-US03-04088-530
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US-09-890-648-6
                                                                                                                                                                                                                                                           APPLICANT: McSwiggen, James
APPLICANT: Beigelman, Leonid
TITLE OF INVENTION: RNA Interference Mediated Inhibition of Telomerase Gene
TITLE OF INVENTION: Expression Using Short Interfering RNA (siNA)
FILE REFERENCE: 02-708-A (400/080)
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TITLE OF INVENTION: Preparation for The Prevention and/or Tree
TITLE OF INVENTION: of a Tissue Change of Mesenchymal Origin
FILE REPERROCE: 13960PCT
CURRENT APPLICATION NUMBER: US/09/890,648
CURRENT FILING DATE: 2002-12-23
WUMBER OF SEQ ID NOS: 47
SOFTWARE: Patentin Ver. 2.1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Length 23;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                       PRIOR FILING DATE: 2002-02-01
PRIOR FILING DATE: 2002-02-02-03
PRIOR PELING DATE: 2002-03-03
PRIOR PELING DATE: 2002-03-11
PRIOR FILING DATE: 2002-03-11
PRIOR PELING DATE: 2002-06-06
PRIOR PELING DATE: 2002-06-06
PRIOR PELING DATE: 2002-06-09
PRIOR FILING DATE: 2002-08-29
PRIOR FILING DATE: 2002-09-09
PRIOR FILING DATE: 2002-09-05
PRIOR PELING DATE: 2002-09-09
                                                                                                                                                                                                                                                                                                                                                             FILE REFERENCE: 02-708-A (400/080)
CURRENT APPLICATION NUMBER: PCT/US03/04088
                                                                                                                                                                                                                                  APPLICANT: Ribozyme Pharmaceuticals, Inc.
                                                                                                                                                                                                                                                                                                                                                                                                        CURRENT FILING DATE: 2003-04-28
PRIOR APPLICATION NUMBER: US 60/396,600
PRIOR FILING DATE: 2002-07-17
                                                                                                                                                                                  Sequence 530, Application PC/TUS0304088 GENERAL INFORMATION:
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GENERAL INFORMATION:
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SOFTWARE: PatentIn version 3.2
SEQ ID NO 530
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Best Local Similarity
Matches 16; Conserv
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Query Match
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APPLICANT: Hillgenberg, Moritz
APPLICANT: Gost, Peter
APPLICANT: Schnieders, Frank
APPLICANT: Schnieders, Frank
APPLICANT: Sandig, Volker
APPLICANT: Strauss, Michael
TITLE OF INVENTION: Cloning Vectors for Producing Adenoviral Minimal Viruses
FILE REFERENCE: 101195-13
CURRENT APPLICATION NUMBER: US/09/462,405C
CURRENT PILING DATE: 2000-04-12
PRIOR APPLICATION NUMBER: PCT/DE98/01940
PRIOR APPLICATION NUMBER: PCT/DE98/01940
RIGHT APPLICATION NUMBER: PCT/DE98/01940
RIGHT APPLICANTON NUMBER: MCT/DE98/01940
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GENERAL INFORMATION:

GENERAL INFORMATION:

APPLICANT: LEE, Sang-Yup

APPLICANT: LEE, Sang-Yup

APPLICANT: LEE, Sang-Yup

TITLE OF INVENTION: ESCHERICHIA COLI STRAIN SECRETING HUMAN

TITLE OF INVENTION: ESCHERICHIA COLONY STIMULATING FACTOR (G-CSF)

FILE REPERENCE: HYLEEGO, 101APC

CURRENT APPLICATION NUMBER: US/10/009, 792A

FRIOR PLING DATE: 2001-03-31

PRIOR PILING DATE: 2001-03-31

PRIOR FILING DATE: 2000-03-31

PRIOR FILING DATE: 2000-03-31

NUMBER OF SEQ ID NOS: 27

SOFTWARE: PARENCE FARENCE FARENCE FAINDOMB VERBION 4.0

SEQ ID NO S.
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Pred. No. 2.8e+03;
0; Mismatches 3; Indels
NUMBER OF SEQ ID NOS: 982914
SOFTWARE: Microarray Probe Sequence Listing Generator V 1.1
SEQ ID NO 776553
LENGTH: 25
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Pred. No. 2.8e+03;
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Best Local Similarity 84.2%;
Matches 16; Conservative
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Best Local Similarity 84.2%;
Matches 16; Conservative
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                                                                                                             ; TYPE: DNA
; ORGANISM: Mus musculus
US-60-427-808-776553
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ORGANISM: Homo sapiens
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; OTHER INFORMATION: Description of Artificial Sequence: Target sequence/sinA sense; OTHER INFORMATION: region
PCT-US03-04088-258
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APPLICANT: RALbozyme Pharmaceuticals, Inc.
APPLICANT: RAbozyme Pharmaceuticals, Inc.
APPLICANT: RAbozyme Pharmaceuticals, Inc.
APPLICANT: RAbozyme Pharmaceuticals, Inc.
APPLICANT: Reigalman, Leonid
TITLE OF INVENTION: RAM Interference Mediated Inhibition of Telomerase Gene
TITLE OF INVENTION: Expression Using Short Interfering RNA (siNA)
FILE REFERENCE: 02-708-A (400/080)
CURRENT APPLICATION NUMBER: PCT/US03/04088
CURRENT APPLICATION NUMBER: US 60/396,600
PRIOR PAPLICATION NUMBER: US 60/358,580
                                                                                                                                                                                                                                                                                                                                                                                              APPLICANT: Ribozyme Pharmaceuticals, Inc.
APPLICANT: Ribozyme Pharmaceuticals, Inc.
APPLICANT: McSwiggen, James
APPLICANT: Beigelman, Leonid
TITLE OF INVENTION: RNA Interference Mediated Inhibition of Telomerase Gene
TITLE OF INVENTION: Expression Using Short Interfering RNA (siNA)
FILE REPERENCE: 02-708-A (400/080)
CURRENT APPLICATION NUMBER: PCT/USO3/04088
CURRENT FILING DATE: 2003-04-28
                                                                 Gaps
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      Length 50;
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                                                                 Indels
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PRIOR PELING DATE: 2002-07-17
PRIOR APPLICATION NUMBER: US 60/396,600
PRIOR APPLICATION NUMBER: US 60/358,580
PRIOR FILING DATE: 2002-02-05
PRIOR FILING DATE: 2002-03-11
PRIOR APPLICATION NUMBER: US 60/363,124
PRIOR PILING DATE: 2002-06-06
PRIOR PILING DATE: 2002-06-06
PRIOR FILING DATE: 2002-09-05
PRIOR PILING DATE: 2002-09-05
PRIOR PELING DATE: 2002-09-05
PRIOR PELING DATE: 2002-09-05
PRIOR PELING DATE: 2002-09-09
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; Sequence 258, Application PC/TUS0304088
; GENERAL INFORMATION:
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Query Match
Best Local Similarity 84.2
Matches 16; Conservative
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SOFTWARE: Patentin version
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Gaps
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GENERAL INFORMATION:
APPLICANT: Mittmann, Michael
TITLE OF INFORMATION: Methods of Genetic Analysis of Probes: HG-U133
FILE REFERENCE: 3121
CURRENT APPLICATION NUMBER: US/10/355,577
CURRENT FILING DATE: 2003-01-31
NUMBER OF SEQ ID NOS: 997516
SOFTWARE: Microarray Probe Sequence Listing Generator V 1.1
LENGTH: 25
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US-60-427-808-239182/c
US-60-427-808-239182, Application US/60427808
; GENERAL INFORMATION:
; APPLICANT: Xue Mei Zhou
; FILE REFERENCE: 3528
; CURRENT APPLICATION WHEREOUS US/60/427,808
; CURRENT PLIAG DATE: 2002-11-20
; NUMBER OF SEQ ID NOS: 982914
; SOFTWARE: Microarray Probe Sequence Listing Generator V 1.1
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Pred. No. 4.4e+03;
0; Mismatches 2;
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Pred. No. 4.4e+03;
0; Mismatches 2;
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Pred. No. 4.4e+03;
0; Mismatches 2;
                                                          TYPE: DNA
CRANISM: Homo sapiens
PUBLICATION INFORMATION:
DATABASE ACCESSION NUMBER: TIGR HG2663-HT2759
US-09-660-222-20311
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88.2%;
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Best Local Similarity 88.2%;
Matches 15; Conservative
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88.2%;
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Best Local Similarity 88.29
Matches 15; Conservative
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Best Local Similarity 88.23
Matches 15; Conservative
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               ; ORGANISM: Homo sapien
US-10-355-577-283954
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US-10-355-577-283954
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LENGTH: 25
SEQ ID NO 20311
LENGTH: 25
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TITLE OF INVENTION: Methods of Genetic Analysis of Rat
FILLE REPERENCE: 35.7
CURRENT APPLICATION NUMBER: US/60/427,836
CURRENT FILING DATE: 2002-11-20
NUMBER OF SEQ ID NOS: 699466
SOFTWARE: Microarray Probe Sequence Listing Generator V 1.1
SEQ ID NO 401411
LENGTH: 25
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TITLE OF INVENTION: Methods of Genetic Analysis of Human
FILE REFERENCE: 3102.1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  ) OTHER INFORMATION: Description of Artificial Sequence:
) OTHER INFORMATION: antisense region
PCT-US03-04088-593
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                        PRIOR APPLICATION NUMBER: US 60/363,124
PRIOR FILING DATE: 2002-03-11
PRIOR APPLICATION NUMBER: US 60/386,782
PRIOR PILING DATE: 2002-06-06
PRIOR FILING DATE: 2002-06-06
PRIOR FILING DATE: 2002-08-29
PRIOR FILING DATE: 2002-09-05
PRIOR PELING DATE: 2002-09-09
PRIOR PILING DATE: 2002-09-09
PRIOR PILING DATE: 2002-09-09
PRIOR PILING DATE: 2002-09-09
PRIOR PILING DATE: 2003-09-09
PRIOR FILING DATE: 2003-09-09
PRIOR PILING DATE: 2003-09-09
PRIOR PILING DATE: 2003-09-09
SOFTWARE: PATCHIN WERE: US 60/440,129
NUMBER OF SEQ ID NOS: 626
SOFTWARE: PATCHIN VERSION 3.2
SEQ ID NO 593
LENGTH: 21
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CURRENT FILING DATE: 2000-09-12
PRIOR APPLICATION NUMBER: 60/164,973
PRIOR FILING DATE: 1999-11-11
NUMBER OF SEQ ID NOS: 140991
SQFTWARE: FASTSEQ for Windows Version 4.0
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GENERAL INFORMATION:
APPLICANT: Mittmann et al.
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Best Local Similarity 78.6%;
Matches 11; Conservative
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ORGANISM: Artificial
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US-09-660-222-20311/c
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TITLE OF INVENTION: Methods of Genetic Analysis of Mouse
FILE REFERENCE: 3528
CURRENT APPLICATION NUMBER: US/60/427,808
CURRENT APPLICATION NUMBER: US/60/427,808
CURRENT FILING DATE: 2002-11-20

NUMBER OF SEQ ID NOS: 982914
SOFTWARE: Microarray Probe Sequence Listing Generator V 1.1
SEQ ID NO 294455
LENGTH: 25
NOGANISM: Mus musculus
ORGANISM: Mus musculus
ORGANISM: Mus musculus
ORGANISM: Musculus
WS-60-427-808-294455
Query Match
Best Local Similarity 88.2%; Pred. No. 4.4e+03;
Matches 15; Conservative 0; Mismatches 2; Indels 0; Gaps
OY 3 AACTCTTCGCGTGGCA 19
Db 21 AACTCTTCGAGGTAGCA 5
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Search completed: June 26, 2003, 04:15:16 Job time: 479.077 secs

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AB069018 Synthetic 875525 TCR V gamma X69251 H. sapiens m AX158160 Sequence AX158162 Sequence AX024597 Sequence AX024597 Sequence AX02457 Sequence AR056247 Sequence

AB069038 \$72525 HXTCRGV33 AX158160 AX158162 AX024597 AX024597 AA4857 AR056247

AR063830 Sequence AR063829 Sequence

AR063830 AR063829

8

Description

SUMMARIES

A32455 Synthetic p A32726 Synthetic d 119611 Sequence 12 184271 Sequence 42 A09922 Oligonucleo A09922 Probe. 1/19 A14559 Nucleotide AR002218 Sequence E16501 PCR primer AX110619 Sequence AX110619 Sequence

A14859 AR002212 E05218

119611 184271 A09892 A09923

A32455 A32726

E16501 AR129457

S72591 AR148975 AR196827 AX016752 AX016769 AR148976 AR196828 AX016753 AX016770 HSTCRGV35 AK163562

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score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.
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Kim,N.Woo., Wu.F., Kealey,J.T., Pruzan,R. and Weinrich,S.L. Methods for detecting the RNA component of telomerase Patent: US 5946721.A 6 08-DEC-1998;
Location/Qualifiers
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       GenCore version 5.1.6
Copyright (c) 1993 - 2003 Compugen Ltd.
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AX110621 AX110619 AX110619 AX11201 AX068559 AX445836 HSAZ70340 HSAZ70340 HSTCRGV24 HSTCRGV22 S72587

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Pred. No. is the number of results predicted by chance to have a

ALIGNMENTS

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BASE COUNT

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Crystal, R.G.
Limited diversity of gamma delta T-cell antigen receptor junctional region sequences in individuals with sarcoidosis compared to broad diversity in normal subjects
Trans. Assoc. Am. Physicians 103, 102-111 (1990)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    S72525 28 bp mRNA linear PRI 08-MAY-2000 TCR V gamma 9=T cell receptor gamma chain {V-J junction} {human, mRNA Partial Mutant, 28 nt}.
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/db_xref="taxon:32630"
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Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.
1 (bases 1 to 28)
Holroyd, K.J., Tamura, N., Banks, T., Kirby, M., Okayama, H. and
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        GenBank staff at the National Library of Medicine created this entry [NCBI glibbsq 72525] from the original journal article. This sequence comes from Figure 4.

Location/Qualifiers
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/note="T cell receptor gamma chain"
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/organism="Homo sapiens"
/db_xref="taxon:9606"
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Synthetic construct DNA, forward primer for human STS sts-A008J44
at 1p36.
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Watanabe,N., Inazawa,J., Hosoda,F., Arai,Y., Mizushima,H.,
Moxohashi,A., Ohira,M., Nakagawara,A., Liu,S., Hoshi,M., Horii,A.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Direct Submission
Submitted (04-AUG-2001) Akira Horii, Tohoku University School of Submitted (04-AUG-2001) Akira Horii, Tohoku University School of Medicine, Molecular Pathology; 2-1 Seiryomachi, Aoba-ku, Sendai, Miyagi 980-8875, Japan (E-mail:horii@mail.cc.tohoku.ac.jp, Tel:81-22-717-8042, Fax:81-22-717-8047)
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A BAC-based STS-content map spanning a 35-Mb region of human
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        1 (bases 1 to 30)
Kim,N.Woo., Wu,F., Kealey,J.T., Pruzan,R. and Weinrich,S.L.
Methods for detecting the RNA component of telomerase
Patent: US 5846723-A 5 08-DEC-1998;
Location/Qualifiers
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100.0%; Score 20; DB
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Matches 20; Conservative 0; Mismatches
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AR063829
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Genomics 74 (1), 55-70 (2001)
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1 Similarity 100.0%;
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Horii,A.
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SOURCE

REFERENCE AUTHORS

VERSION KEYWORDS

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TITLE JOURNAL PEATURES

BASE COUNT ORIGIN

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Gaps

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PRI 07-JUL-1994

source

FEATURES

JOURNAL MEDLINE REFERENCE AUTHORS TITLE JOURNAL

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synthetic construct

artificial sequences.

1 (bases 1 to 50)

Turecek, P., Scheiflinger, F., Schwarz, H.P., Lenting, P.J., van
Mourik, J.A., Pannekoek, H. and Mertens, K.

A factor viii-polypeptide with factor viii:c-activity
Patent: WO 0028021-A 13 18-WAX-2000;

BAXTER AKTIENGESELLSCHAFT (AT); TURECK PETER (AT); SCHEIFLINGER
FRIEDRICH (AT); SCHWARZ HANS PETER (AT); LENTING PETRUS JOHANNES

(NL); MOURIK JAN AART VAN (NL); PANNEKOEK HANS (NL); MERTENS
                                                                                                                                                                                                                                                                                                                                                                Bukaryota; Metazoa; Chordata; Craniata; Vertebrata; Buteleostomi; Mammalia; Butheria; Primates; Catarrhini; Hominidae; Homo.
I (bases 1 to 46).
Shimkets, R.A. and Leach, M.
Nucleic acids containing single nucleotide polymorphisms and methods of use thereof methods of use thereof patent: WO 0140521-A 1490 07-JUN-2001; Curagen Corporation (US).
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100.0%; Pred. No. 9.4e+03;
ive 0; Mismatches 0;

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    /organism="synthetic construct"
/db_xref="taxon:32630"

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AX158162.1 GI:14539493
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AX024597
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/db_xref="taxon:9606"
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                                                                                                                                                                                            Direct Submission
Submitted (10-JUN-1992) J. Hvas, La Trobe University,
Neuroimmunology Lab., Dept. of Psych., La Trobe University,
Neuroimmunology Lab., Dept. of Psych., La Trobe University,
Losses 1 to 30)
Hvas. J. (Okenbergy.) R., Fernando, R., Steinman, L. and Bernard, C.C.
Hvas. J., Okenbergy. J.R., Fernando, R., Steinman, L. and Bernard, C.C.
Gamma delta T cell receptor repertoire in brain lesions of patients
J. Neuroimmunol. 46 (1-2), 225-234 (1993)
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Eukaryota, Metazoa, Chordata, Craniata, Vertebrata, Buteleostomi,
Mammalia, Eutheria, Primates, Catarrhini, Hominidae, Homo.
                                                                                                                             Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.
1 (bases 1 to 30)
                                            X69253.1 GI:510639
J-region; N-region; T-cell receptor; T-cell receptor gamma chain;
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Shimkets, R. A. and Leach, M.
Nucleic acids containing single nucleotide polymorphisms and
H. sapiens mRNA for rearranged TCR-gamma chain V region (VJ)
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Accession number cg29694531"
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/note="V-gamma-2 segment"
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/db_xref="taxon:9606"
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/organism="Homo sapiens"
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/clone="MSSELBRA5G"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           tissue_type="brain"
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4 c 12 g
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/note="N
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synthetic construct.
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artificial sequences.

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I (bases 1 to 18)
Cros, P., Allibert, P.A., Mandrand, B.F. and Dalbon, P.T.
Method for immobilizing a nucleic acid fragment by passive
adsorption on a solid support, solid support obtained therefrom and
its utilisation
Patent: EP 0524864-A 10 27-JAN-1993;
BIO MERIEUX, Societe anonyme
Location/Qualifiers
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      PAT 07-MAY-1996
                                                             PAT 16-MAY-2001
                                                                                                                                                                                                                                        Ribozyme treatment of diseases or conditions related to levels of intercellular adhesion molecule-1 (ICAM-1)
Patent: US 6132967-A 451 17-OCT-2000;
Location/Qualifiers
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Grimm, S., Stinchcomb, D.T., McSwiggen, J., Sullivan, S. and
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Synthetic detection probe for HPV16 E7 gene.
A32726 A32726.1 GI:1567574
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tive 0; Mismatches 0;
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                                                      15 bp DN Sequence 451 from patent US 6132967. ARI14005. GI:14094327
                                                                                                                                                                                                                                                                                                                                 /organism="unknown"
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Cravador, A., De Vos-Pierreux, M.J. and Bollen, A.
Nucleic acid probes with non-eadioactive labels, and preparation
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Gaps
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Unclassified.
1 (bases 1 to 15)
Grimm, S., Stinchcomb, D.T., McSwiggen, J., Sullivan, S. and Draper, K.G.
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Patent: US 5837542-A 451 17-NOV-1998;
Location/Qualifiers
                                                                                                                                                                                                                                               A14857 12 bp DNA linear Nucleotide sequence 1 from patent number EP0334694. A14857
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Sequence 451 from patent US 5837542.
AR056247
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Patent: EP 0334694-A 1 27-SEP-1989;
IRE-CELLTARG S.A.; LA REGION WALLONNE
Location/Qualifiers
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/organism="unidentified"
/db_xref="taxon:32644"
a 4 c 4 g '
/note="Oligonucleotid"
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Cros, P., Allibert, P.A., Mandrand, B.P. and Dalbon, P.T.
Process for immobilizing a nucleic acid fragment by passive attachment to a solid substrate, the solid substrate thus obtained,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        1 (bases 1 to 18)
Cros, P., Allibert, P., Mallet, F., Mabilat, C. and Mandrand, B.
Sandwich hybridization assays using very short capture probes
noncovalently bound to a hydrophobic support
Patent: US 5695926-A 42 09-DEC-1997;
Location/Qualifiers
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/organism="synthetic construct"
/db_xref="taxon:32630"
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Location/Qualifiers
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Sequence 12 from patent US 5510084.
119611
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June 23, 2003, 05:45:21 ; Search time 877.928 Seconds (without alignments) 158.668 Million cell updates/sec

US-08-770-564A-6 20 Title: Perfect score:

1 CTGACAGAGCCCAACTCTTC 20 Sequence:

Scoring table:

OLIGO_NUC Gapop_60.0 , Gapext 60.0

7820798 seqs, 3482471992 residues Searched:

0 Word size :

8653682 Total number of hits satisfying chosen parameters:

Minimum DB seq length: 0 Maximum DB seq length: 50

Post-processing: Listing first 45 summaries

Database :

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Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

	u	522, App	540, App	544, App	548, App	552, App	55	56		28	Sequence 47221, A	Sequence 699316,	Sequence 529892,	189, App	189, 7	306,	315, App	66821	66822, A	66827, A	66828, A
	Description	Sequence	Sequence	Seguence	Sequence	Sequence	Sequence	Sequence 189	Sequence	Sequence	Sequence	Sequence	Sequence	Sequence	Sequence						
	ID	PCT-US03-04088-522	PCT-US03-04088-540	PCT-US03-04088-544	PCT-US03-04088-548	PCT-US03-04088-552	PCT-US03-04088-556	PCT-US03-04088-560	PCT-US03-04088-23	PCT-US03-04088-287	US-60-427-808-47221	US-60-427-808-699316	US-60-427-836-529892	PCT-US02-21361-189	US-10-188-186-189	US-10-160-619-306	US-10-160-619-315	US-09-660-222-66821	US-09-660-222-66822	US-09-660-222-66827	US-09-660-222-66828
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	Query Match Length DB	23	21	21	21	21	21	21	19	19	25	25	25	20	20	50	20	25	25	25	25
de	Query Match	100.0	95.0	95.0	95.0	95.0	95.0	95.0	90.0	90.0	70.0	70.0	70.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0
	Score	20	19	19	. 19	19	19	19	18	18	14	14	14	13	13	13	13	13	13	13	13
	ult No.	-	7	e	4	ហ	9	7	80	Q	10	11	12	13	14	15	16	11	18	19	20
	Result No.		U		O		υ		U				υ					υ	O	υ	υ

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Gaps

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Query Match 100.0%; Score 20; DB 1; Length 23; Best Local Similarity 100.0%; Pred. No. 0.071; Matches 20; Conservative 0; Mismatches 0; Indels

Sequence 66829, A Sequence 281714, Sequence 534052,	Sequence 2606, Ap Sequence 435724,	Sequence 467623, Sequence 503841,	Sequence 9568, Ap	Sequence 198381,	Seguence 331174,	Seguence 4756, Ap	Sequence 209, App	Sequence 27816, A	Sequence 27829, A	Sequence 28011, A	Seguence 28022, A	Sequence 9476, Ap	Sequence 9478, Ap	Sequence 21329, A	Sequence 72838, A	Sequence 282353,	Sequence 515821,	Sequence 558628,	Sequence 48673, A
US-09-660-222-66829 US-10-355-577-281714 US-10-355-577-534052	US-60-427-808-2606 US-60-427-808-435724	US-60-427-808-467623 US-60-427-808-503841	US-60-427-836-9568 US-60-427-836-95550	US-60-427-836-198381	US-60-427-836-331174	US-10-293-338-4756	US-09-660-222-209	US-09-660-222-27816	US-09-660-222-27829	US-09-660-222-28011	US-09-660-222-28022	US-09-953-570-9476	US-09-953-570-9478	US-09-954-445A-21329	US-10-355-577-72838	US-10-355-577-282353	US-10-355-577-515821	US-10-355-577-558628	US-60-427-808-48673
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ALIGNMENTS

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OTHER INFORMATION: Description of Artificial Sequence: Target sequence/sinA sense; OTHER INFORMATION: region
PCT-US03-04088-522
FULLOLANT: RIDORMATION:

APPLICANT: Hoosyme Paramaceuticals, Inc.
GENERAL INFORMATION:
APPLICANT: McSorgmen, James
TITLE DO TOWNION: RAW Interference Mediated Inhibition of Telomerase Gene
TITLE OF INVENTION: RAW Interference Mediated Inhibition of Telomerase Gene
TITLE OF INVENTION: RAW Interference Mediated Inhibition of Telomerase Gene
TITLE OF INVENTION: Expression Using Short Interfering RNA (sinA)
FILE REFERENCE: 02-708-14-28
CURRENT FILING DATE: 2002-04-28
FRIOR PAPLICATION NUMBER: US 60/358,580
FRIOR APPLICATION NUMBER: US 60/358,580
FRIOR APPLICATION NUMBER: US 60/353,124
FRIOR PILING DATE: 2002-03-11
FRIOR APPLICATION NUMBER: US 60/363,124
FRIOR APPLICATION NUMBER: US 60/363,124
FRIOR APPLICATION NUMBER: US 60/406,784
FRIOR PILING DATE: 2002-06-05
FRIOR APPLICATION NUMBER: US 60/406,784
FRIOR PILING DATE: 2002-08-29
FRIOR PILING DATE: 2002-09-09
FRIOR PILING DATE: 2002-09-09
FRIOR PILING DATE: 2002-09-09
FRIOR FILING DATE: 2003-01-15
NUMBER OF SEQ ID NOS: 626
SEQ ID NO SEQ ID NOS: 626
SEQ ID NO SEP PARTER PARTER PARTER PREPARENT FILING DATE: 2003-01-15
SEQ ID NO SEQ ID NOS: 626
SEQ ID NO SED PARTER
FROM PARTER PARTE
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ORGANISM: Artificial
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PCT-US03-04088-548/C

Sequence 548, Application PC/TUS0304088

Sequence 548, Application PC/TUS0304088

GENERAL INFORMATION: Belacementicals, Inc.
APPLICANT: Biologyme Paramaceuticals, Inc.
APPLICANT: Belacement Leonid
TITLE OF INVENTION: Expression Using Short Interfering RNA (siNA)
TITLE OF INVENTION: Expression Using Short Interfering RNA (siNA)
FILE REPERBORS: 02-09-4.28

FILE REPERBORS: 02-09-4.28

CURRENT APPLICATION NUMBER: PCT/US03/04088

CURRENT PILING DATE: 2002-09-4.28

PRIOR FILING DATE: 2002-03-11

PRIOR FILING DATE: 2002-03-11

PRIOR FILING DATE: 2002-03-31

PRIOR FILING DATE: 2002-09-05

PRIOR FILING DATE: 2003-09-05

PRIOR FILI
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        FEATURE: OTHER INFORMATION: Description of Artificial Sequence: sina antisense region
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Best Local Similarity 78.9%; Pred. No. 0.27;
Matches 15; Conservative 4; Mismatches C
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 NAME/KEY: misc_feature; LOCATION: (20)...(21)
OTHER INFORMATION: n stands for thymidine; PCT-US03-04088-544
                                          PRIOR FILING DATE: 2002-06-06
PRIOR APPLICATION NUMBER: US 60/406,784
PRIOR FILING DATE: 2002-08-29
PRIOR PLLING DATE: 2002-08-29
PRIOR PILING DATE: 2002-09-05
PRIOR APPLICATION NUMBER: US 60/409,293
PRIOR PILING DATE: 2002-09-09
PRIOR FILING DATE: 2003-09-09
PRIOR FILING DATE: 2003-01-15
NUMBER OF SEQ ID NOS: 626
SOFTWARE: Patentin version 3.2
LENGTH: 21
                       US 60/386,782
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ORGANISM: Artificial
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APPLICANT: Beigelman, Leonid
TITLE OF INVENTION: RNA Interference Mediated Inhibition of Telomerase Gene
TITLE OF INVENTION: Expression Using Short Interfering RNA (siNA)
FILE REPRENCE: 02-708-A (400/080)
CURRENT APPLICATION NUMBER: PCT/US03/0408B
                                                                                                                                                                                                                                                                                                                                                                          APPLICANT: MCSwiggen, James
APPLICANT: Beigelman, Leonid
APPLICANT: Beigelman, Leonid
TITLE OF INVENTION: RNA Interference Mediated Inhibition of Telomerase Gene
TITLE OF INVENTION: Expression Using Short Interfering RNA (siNA)
FILE REFERENCE: 02-7708-A (400/080)
CURRENT APPLICATION NUMBER: PCT/US03/04088
CURRENT FILING DATE: 2003-04-28
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OTHER INFORMATION: n stands for thymidine; PCT-US03-04088-540
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    PRIOR APPLICATION NUMBER: US 60/396,600
PRIOR FILING DATE: 2002-07-17
PRIOR PILING DATE: 2002-07-17
PRIOR PILING DATE: 2002-07-17
PRIOR PILING DATE: 2002-03-10
PRIOR PILING DATE: 2002-03-11
PRIOR FILING DATE: 2002-06-06
PRIOR FILING DATE: 2002-06-06
PRIOR FILING DATE: 2002-06-06
PRIOR FILING DATE: 2002-06-06
PRIOR PILING DATE: 2002-06-05
PRIOR PILING DATE: 2002-09-05
PRIOR PILING DATE: 2002-09-05
PRIOR PILING DATE: 2002-09-05
PRIOR PILING DATE: 2002-09-05
PRIOR PILING DATE: 2002-09-09
PRIOR PILING DATE: 2002-09-09
PRIOR PILING DATE: 2002-09-09
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PRIOR APPLICATION NUMBER: US 60/396,600
PRIOR FILING DATE: 2002-07-17
PRIOR FILING DATE: 2002-02-20
PRIOR FILING DATE: 2002-02-20
PRIOR PLICATION NUMBER: US 60/363,124
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                                                                                                                                                                                                                      T-US03-04088-540/c
Sequence 540, Application PC/TUS0304088
GENERAL INFORMATION:
CTGACAGAGCCCAACTCTTC 20
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                                                  22 CTGACAGAGCCCAACTCTTC
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NUMBER OF SEQ ID NOS: 626
SOFTWARE: PatentIn version 3.2
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            TYPE: RNA
ORGANISM: Artificial
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| Sequence 552, Application PC/TUS0304088
| GENERAL INFORMATION: Physication PC/TUS0304088
| GENERAL INFORMATION: Ribozyme Pharmaceuticals, Inc. APPLICANT: Ribozyme Pharmaceuticals, Inc. APPLICANT: McSwiggen, James Papellown: McSwiggen, James Papellown: McSwiggen, James Papellown: Beggelman, Leonid | TITLE OF INVENTION: Rayession Using Short Interfering RNA (siNA) | TITLE OF INVENTION: Rayession Using Short Interfering RNA (siNA) | TITLE OF INVENTION: Expression Using Short Interfering RNA (siNA) | TITLE OF INVENTION NUMBER: US 60/396,600 | PRIOR PPLICATION NUMBER: US 60/356,500 | PRIOR PPLICATION NUMBER: US 60/356,500 | PRIOR PLING DATE: 2002-02-20 | PRIOR PLING DATE: 2002-03-11 | PRIOR PLING DATE: 2002-03-11 | PRIOR PLING DATE: 2002-03-11 | PRIOR PLING DATE: 2002-03-04 | PRIOR PLING DATE: 2002-06-06 | PRIOR PLING DATE: 2002-06-06 | PRIOR PLING DATE: 2002-09-05 | PRIOR PLING DATE: 2002-09-05 | PRIOR PLING DATE: 2002-09-05 | PRIOR PLING DATE: 2002-09-09 | PRIOR PRIOR PRIOR DATE: 2002-09-09 | PRIOR PRIOR DATE: 2002-09-09 | PRIOR PRIOR DATE: 2002-09-09 | PRIOR DATE: 2003-09-09 | PR
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; OTHER INFORMATION: 3'-3 attached terminal deoxyabasic moeity
PCT-US03-04088-548
OTHER INFORMATION: 5'-3 attached terminal deoxyabasic moeity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Length 21;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Query Match 95.0%; Score 19; DB 1;
Best Local Similarity 100.0%; Pred. No. 0.27;
Matches 19; Conservative 0; Mismatches (
                                                                                                                                                                                                                                                                                                                                                                                                                                                                        FEATURE:
NAME/KEY: misc_feature
LOCATION: (20)...(21)
COCATION: (20)...(21)
FEATURE:
NAME/KEY: misc_feature
(21)...(21)
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                                                                      NAME/KEY: misc_feature
LOCATION: (7)..(8)
OTHER INFORMATION: 2'-deoxy-2'-fluoro
FEATURE:
                                                                                                                                                                                                                                                                     ION: (12)..(15)
INFORMATION: 2'-deoxy-2'-fluoro
                                                                                                                                                                                                                                                                                                                                                                                                         LOCATION: (17)...(18)
OTHER INFORMATION: 2'-deoxy-2'-fluoro
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LOCATION: (12)..(15)
OTHER INFORMATION: 2'-c
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Target sequence/siNA sense
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Sequence 556, Application PC/TUS0304088

GENERAL INFORMATION:

APPLICANT: Ribozyme Pharmaceuticals, Inc.

APPLICANT: Beigelman, Leonid

TITLE OF INVENTION: Expression Using Short Interfering RNA (siNA)

FILE REPERENCE: 02-708-A (400/080)

CURRENT PILING DATE: 2003-04-28

CURRENT PILING DATE: 2003-04-17

FRIOR PEDICATION NUMBER: US 60/396,600

PRIOR APPLICATION NUMBER: US 60/396,600

PRIOR PILING DATE: 2002-07-17

PRIOR FILING DATE: 2002-03-11

PRIOR FILING DATE: 2002-06-05

PRIOR PEDICATION NUMBER: US 60/386,782

PRIOR FILING DATE: 2002-06-06

PRIOR PEDICATION NUMBER: US 60/406,784

PRIOR FILING DATE: 2002-06-06

PRIOR PEDICATION NUMBER: US 60/406,784

PRIOR FILING DATE: 2002-09-05

PRIOR PRIOR PRIOR PRILING DATE: 2002-09-05

PRIOR PRIOR PRIOR DATE: 2002-09-05

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LOCATION: (20)...(20)
OTHER INFORMATION: Phosphorothioate 3'-Internucleotide Linkage
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Length 21;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        0; Indels
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        4; Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    NAME/KEY: misc_feature

// LOCATION: (20)...(21)

// OTHER INFORMATION: n stands for thymidine

PCT-US03-04088-552
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Score 19;
Pred. No.
                             LOCATION: (4). (4)
OTHER INFORMATION: 2'-deoxy-2'-fluoro
                                                                                                                           NAME/KEY: misc feature
LOCATION: (9). (11)
OTHER INFORMATION: 2'-deoxy-2'-fluoro
                                                                                                                                                                                                                                  FEATURE:
NAME/KEY: misc_feature
LOCATION: (14)..(19)
OTHER INFORMATION: 2'-deoxy-2'-fluoro
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78.9%;
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OTHER INFORMATION: 2'-deoxy
FEATURE:
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Best Local Similarity 78.9
Matches 15, Conservative
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SOFTWARE: Patentin version
SEQ ID NO 556
LENGTH: 21
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misc_feature
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NUMBER OF SEQ ID NOS: 626
SOFWHARE: Patentin version 3.2
SEQ ID NO 560
LENGTH: 21
PRIOR FILING DATE: 2003-01-15
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NAME/KEY: misc_feature
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Matches 15; Conserv
                                                                                                                                              TYPE: RNA
ORGANISM: Artificial
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APPLICANT: Ribozyme Pharmaceuticals, Inc.
APPLICANT: McSwiggen, James
APPLICANT: Bajegalman, Leonid
TITLE OF INVENTION: Expression Using Short Interfering RNA (siNA)
TITLE OF INVENTION: Expression Using Short Interfering RNA (siNA)
TITLE OF INVENTION: Expression Using Short Interfering RNA (siNA)
TITLE OF INVENTION: Expression Using Short Interfering RNA (siNA)
TITLE OF INVENTION: Expression Using Short Interfering RNA (siNA)
TITLE OF INVENTION: Expression Using Short Interfering RNA (siNA)
TITLE OF INVENTION: Expression Using Short Interfering RNA (siNA)
TITLE OF INVENTION WUMBER: DC 003-04-28
TRIOR APPLICATION NUMBER: US 60/356,500
PRIOR PILING DATE: 2002-03-11
PRIOR PILING DATE: 2002-03-11
PRIOR PILING DATE: 2002-06-06
PRIOR APPLICATION NUMBER: US 60/406,784
PRIOR APPLICATION NUMBER: US 60/406,784
PRIOR APPLICATION NUMBER: US 60/408,378
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; OTHER INFORMATION: 3'-3 attached terminal deoxyabasic moeity
PCT-US03-04088-556
                                       LOCATION: (1). (1)

OTHER INFORMATION: 5'-3 attached terminal deoxyabasic moeity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Length 21;
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0.27;
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OTHER INFORMATION: n stands for thymidine
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              PRIOR APPLICATION NUMBER: US 60/409,293
PRIOR FILING DATE: 2002-09-09
PRIOR APPLICATION NUMBER: US 60/440,129
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Sequence 560, Application PC/TUS0304088 GENERAL INFORMATION:
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LOCATION: (17)...(18)
OTHER INFORMATION: 2'-deoxy-2'-fluoro
                                                                                                                                                                                                                                                                                                                                                                                       LOCATION: (12)...(15)

THER INFORMATION: 2'-deoxy-2'-fluoro
                                                                                                                      NAME/KEY: misc_feature
LOCATION: (7). (8)
OTHER INFORMATION: 2'-deoxy-2'-fluoro
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INFORMATION: 2'-deoxy
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LOCATION: (16)...(16)
OTHER INFORMATION: 2'-deoxy
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OTHER INFORMATION: 2'-deoxy
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NAME/KEY: misc_feature
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Target sequence/siNA
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APPLICANT: Misoayme Pharmaceuticals, Inc.
APPLICANT: Misoayme Pharmaceuticals, Inc.
APPLICANT: Beigelman, Leonid
TITLE OF INVENTION: RAY Interference Mediated Inhibition of Telomerase Gene
TITLE OF INVENTION: RAY Interference Mediated Inhibition of Telomerase Gene
TITLE OF INVENTION: Expression Using Short Interfering RNA ($\frac{\pi}{\pi}$) 
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Gaps
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; LOCATION: (20)...(20)
; OTHER INFORMATION: Phosphorothioate 3'-Internucleotide Linkage
PCT-US03-04088-560
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OTHER INFORMATION: Description of Artificial Sequence: OTHER INFORMATION: antisense region
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Pred. No. 0.27;
4; Mismatches (
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OTHER INFORMATION: n stands for thymidine
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  LOCATION: (4). (4)
OTHER INFORMATION: 2'-deoxy-2'-fluoro
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             ION: (9). T(11)
INFORMATION: 2'-deoxy-2'-fluoro
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LOCATION: (14)...(19)
OTHER INFORMATION: 2'-deoxy-2'-fluoro
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THER INFORMATION: 2'-deoxy-2'-fluoro
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PCT-US03-04088-23/c
; Sequence 23, Application PC/TUS0304088
; GENERAL INFORMATION:
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LOCATION: (5)...(8)
THER INFORMATION: 2'-deoxy
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LOCATION: (2)._(3)
OTHER INFORMATION: 2'-deoxy
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JTHER INFORMATION: 2'-deoxy
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                                                                                                                                                                                                         RESULT 10
US-60-427-808-47221
; Sequence 47221, Application US/60427808
; GENERAL INFORMATION:
; APPLICANT: Xue Mei Zhou
; TITLE OF INVENTION: Methods of Genetic Analysis of Mouse
; TILE REPERENCE: 3528
; CURRENT APPLICATION UNDER: US/60/427,808
; CURRENT FILING DATE: 2002-11-20
; WUNDER OF SEQ ID NOS: 982914
; SEQ ID NO 47221
; LENGTH: 25
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TITLE OF INVENTION: Methods of Genetic Analysis of Mouse
FILE REPERENCE: 35.28
CURRENT APPLICATION NUMBER: US/60/427,808
CURRENT PILING DATE: 2002-11-20
NUMBER OF SEQ ID NOS: 982914
SOFTWARE: Microarray Probe Sequence Listing Generator V 1.1
SEQ ID NO 699316
LENGTH: 25
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GENERAL INFORMATION:
APPLICANT: Xue Mei Zhou
TITLE OF INVENTION: Methods of Genetic Analysis of Rat
FILE REFERENCE: 3527
CURRENT APPLICATION UNDER: US/60/427,836
CURRENT FILING DATE: 2002-11-20
NUMBER OF SEQ ID NOS: 699466
SOFTWARE: Microarray Probe Sequence Listing Generator V 1.1
LENGTH: 25
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Pred. No. 2.3e+02;
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                       0; Indels
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                       Mismatches
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100.0%; Pre
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100.08; Ex.
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Best Local Similarity 100.0
....hes 14; Conservative
                    15; Conservative
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Matches 14; Conservative
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CRGANISM: Mus musculus
US-60-427-808-699316
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         TYPE: DNA
ORGANISM: Mus musculus
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                    Matches
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FEATURE:
FORTHER INFORMATION: Description of Artificial Sequence: Target sequence/sinA sense
OTHER INFORMATION: region
PCT-US03-04088-23
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Sequence 287, Application PC/TUS0304088

GENERAL INFORMATION:
APPLICANT: Bloozwee Pharmaceuticals, Inc.
APPLICANT: Beigelman, Leonid
TITLE OF INVENTION: RAM Interference Mediated Inhibition of Telomerase Gene
TITLE OF INVENTION: Expression Using Short Interfering RNA (sinA)
TITLE OF INVENTION: Expression Using Short Interfering RNA (sinA)
FILE REFERENCE: 02-708-A (400/080)
CURRENT APPLICATION NUMBER: US 60/396,600
FRIOR PELING DATE: 2002-02-20
FRIOR PELING DATE: 2002-02-20
FRIOR PELING DATE: 2002-03-11
FRIOR PELING DATE: 2002-03-11
FRIOR PELING DATE: 2002-06-03
FRIOR PELING DATE: 2002-06-05
FRIOR PELING DATE: 2002-06-05
FRIOR APPLICATION NUMBER: US 60/406,784
FRIOR PELING DATE: 2002-09-05
FRIOR APPLICATION NUMBER: US 60/406,338
FRIOR PELING DATE: 2002-09-05
FRIOR APPLICATION NUMBER: US 60/406,338
FRIOR PELING DATE: 2002-09-05
FRIOR APPLICATION NUMBER: US 60/409,293
FRIOR PELING DATE: 2002-09-05
FRIOR APPLICATION NUMBER: US 60/400,129
FRIOR APPLICATION NUMBER: US 60/400,129
FRIOR PELING DATE: 2003-09-05
FRIOR PELING DATE: 2003-09-
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PRIOR APPLICATION NUMBER: US 60/363,124
PRIOR FILING DATE: 2002-03-11
PRIOR APPLICATION NUMBER: US 60/386,782
PRIOR FILING DATE: 2002-06-06
PRIOR FILING DATE: 2002-06-06
PRIOR FILING DATE: 2002-06-05
PRIOR FILING DATE: 2002-09-09
PRIOR APPLICATION NUMBER: US 60/408,378
PRIOR APPLICATION NUMBER: US 60/409,293
PRIOR APPLICATION NUMBER: US 60/440,129
PRIOR FILING DATE: 2002-09-09
PRIOR FILING DATE: 2003-01-15
NUMBER OF SEQ ID NOS: 626
SOFTWARE: PATCHTIN VONES: 206
SEQ ID NO 23
LENGTH: 19
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Best Local Similarity 100.
Matches 18; Conservative
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ORGANISM: Artificial
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Best Local Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    PCT-US03-04088-287
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Query Match
Best Local Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           SOFTWARE: Custom
SEQ ID NO 189
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Matches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           8
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Sequence 189, Application PC/TUS0221361

Sequence 189, Application PC/TUS0221361

GENERAL INFORMATION:

PREPLICATION NOVEL PROTEINS AND NUCLEIC ACIDS ENCODING SAME
FILE REFERENCE: 21402-397C

CURRENT PELING DATE: 2002-07-03

PRIOR PELING DATE: 2002-07-03

PRIOR PELING DATE: 2002-03-01

PRIOR FILING DATE: 2002-03-01

PRIOR FILING DATE: 2001-09-09-09

PRIOR FILING DATE: 2001-09-19

PRIOR PELING DATE: 2001-07-11

PRIOR PELING DATE: 2001-07-13

PRIOR PELING DATE: 2001-07-14

PRIOR PELING DATE: 2001-07-16

PRIOR PELING DATE: 2001-07-16
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 ; OTHER INFORMATION: Description of Artificial Sequence: Reverse Primer PCT-US02-21361-189
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    APPLICANT: Anderson et al.
TITLE OF INVENTION: NOVEL PROTEINS AND NUCLEIC ACIDS ENCODING SAME FILE REFERENCE: 21402-397C
CURRENT APPLICATION NUMBER: US/10/188,186
CURRENT FILING DATE: 2002-07-02
PRIOR APPLICATION NUMBER: 60/303046
PRIOR FILING DATE: 2001-07-05
PRIOR PLICATION NUMBER: 60/360814
                                                                                    Length 25;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Length 20;
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                                                                                                                  .3e+02;
                                                                                 70.0%; Score 14; DB 12;
100.0%; Pred. No. 2.3e+02
:ive 0; Mismatches 0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Score 13;
Pred. No.
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GENERAL INFORMATION:
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Best Local Similarity 100.0%; Pr
Matches 13; Conservative 0;
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; ORGANISM: Rattus norvegicus
US-60-427-836-529892
                                                                                                                                                                                                         2 TGACAGAGCCCAAC 15
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                                                                                                                                                14; Conservative
                                                                                    Query Match
Best Local Similarity
Matches 14; Conserv
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PCT-US02-21361-189
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US-10-188-186-189
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PRIOR APPLICATION NUMBER: 60/323380
PRIOR APPLICATION NUMBER: 60/323380
PRIOR PILING DATE: 2001-09-19
PRIOR PILING DATE: 2002-03-01
PRIOR PILING DATE: 2002-03-01
PRIOR PILING DATE: 2001-07-09
PRIOR FILING DATE: 2001-07-09
PRIOR FILING DATE: 2001-07-13
PRIOR PILING DATE: 2001-07-13
PRIOR PILING DATE: 2001-07-13
PRIOR PILING DATE: 2001-07-13
PRIOR PILING DATE: 2002-04-19
PRIOR PILING DATE: 2002-04-19
PRIOR PILING DATE: 2001-07-16
PRIOR PILING DATE: 2001-07-16
PRIOR PILING DATE: 2001-07-16
PRIOR PILING DATE: 2001-07-16
PRIOR PILING DATE: 3001-07-16
PRIOR PILING DATE: 3001-07-16
PRIOR PILING DATE: 3001-07-16
PRIOR PILING DATE: 3001-07-16
PRIOR PILING DATE: 2001-07-16
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       ; OTHER INFORMATION: Description of Artificial Sequence: Reverse Primer US-10-188-186-189
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Sequence 336, Application US/10160619
GENERAL INFORMATION:
APPLICANT: Agee, Michele
APPLICANT: Alsobrook, John
APPLICANT: Anderson, David
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  TYPE: DNA
ORGANISM: Artificial Sequence
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Khramtsov, Nikolai
Lepley, Denise
Li, Li
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Burgess, Catherine
Casman, Stacie
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Liu, Xiaohong
Malyankar, Uriel
Miller, Charles
Millet, Isabelle
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Catterton, Elina
DiPippo, Vincent
Edinger, Shlomit
2001-09-07
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Gangolli, Esha
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Hjalt, Tord
Ji, Weizhen
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Rastelli, Luca
Rieger, Daniel
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             13; Conservative
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Ort, Tatiana
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APPLICANT: Sinimates, Sureah
APPLICANT: Sinimates, Richard
APPLICANT: Sinimates, Richard
APPLICANT: Souther, Calenda
APPLICANT: Spriek, Kimberly
APPLICANT: Show, Hashong
APPLICANT: Richard Hashong
APPLICANT: Richard
APPLICANT: Richa
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Db 6 AGAGCCCAACTCT 18

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Search completed: June 23, 2003, 19:12:11 Job time : 877.928 secs

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June 23, 2003, 05:20:00 ; Search time 1677.45 Seconds (without alignments) 299.770 Million cell updates/sec
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Copyright (c) 1993 - 2003 Compugen Ltd.
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20
1 CTGACAGAGCCCAACTCTTC 20
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Gapop_60.0 , Gapext 60.0
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Perfect score:
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Post-processing: Listing first 45 summaries

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Pending Patents NA Main: *

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15: /cgn2_6/ptodata/2/pna/US095_COMB.seq: *

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2/pna/US096C_COMB.seq:*
2/pna/US096E_COMB.seq:*
2/pna/US096A_COMB.seq:*
2/pna/US097B_COMB.seq:*
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/cgn2_6/prodata/2/pna/USl00B_COMB_seq:
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/cgn2_6/prodata/2/pna/USl02B_COMB_seq:
/cgn2_6/prodata/2/pna/USl02B_COMB_seq:
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                                                                            Database :
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Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

	Description	-6 Sequence 6, Appli		Sequence 5,		Seguence 15,	Seguence 1		-66821 Sequence 66821, A	-66822 Sequence 66822, A	-66827 Seguence 66827, A	-66828 Sequence 66828, A	-66829 Seguence 66829, A	-314490 Seguence 314490,	-314500 Seguence 314500,	-309805 Seguence 309805,	-309812 Seguence 309812,	-281714 Sequence 281714,	-534052 Sequence 534052,	-18382 Sequence 18382, A	-18382 Seguence 18382, A	-38 Sequence 38, Appl
SUMMARIES	ΙD	PCT-US97-23619-6	US-08-770-564A-6	PCT-US97-23619-5	US-08-770-564A-5	US-08-521-634-15	US-09-396-196F-124326	US-09-396-196G-124326	US-09-660-220-66821	US-09-660-220-66822	US-09-660-220-66827	US-09-660-220-66828	US-09-660-220-66829	US-09-956-584-314490	US-09-956-584-314500	US-60-234-017-309805	US-60-234-017-309812	US-60-353-987-281714	US-60-353-987-534052	US-09-724-750-18382	US-60-171-431-18382	US-10-093-311-38
	DB	-	11	н	11	σ	17	17	26	26	56	56	56	36	36	67	67	79	79	29	61	39
	l Query Watch Length DB	20	20	30	30	24	25	. 25	25	25	25	25	25	25	25	25	25	25	25	42	42	20
d	Query Match	100.0	100.0	100.0	100.0	90.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	0.09
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1 CTGACAGAGCCCAACTCTTC 20
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20 base pairs
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COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy
                         TYPE: nucleic acid
STRANDEDNESS: single
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         nucleic acid
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                                                                                                                                                                                                                                                                                           Query Match
Best Local Similarity
                                                                             linear
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STRANDEDNESS:
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PCT-US97-23619-5
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US-08-770-564A-6
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  LENGTH:
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27816, A
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Sequence 27829, A
Sequence 28011, A
                                                                                                                                                                                                                                                                        Sequence 124325,
Sequence 34092, A
Sequence 49756, A
                                                                                Sequence 49756, A Sequence 49757, A Sequence 49758, A Sequence 49759, A Sequence 49760, A Sequence 64304, A Sequence 64304,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 124325
                              Seguence 54, App
Seguence 34092,
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          APPLICANT:
APPLICANT:
APPLICANT:
TITLE OF INVENTION: Methods for Detecting and Inhibit TITLE OF INVENTION: RNA Component of Telomerase NUMBER OF SEQUENCES: 29
CORRESPONDENCES: 29
CORRESPONDENCE ADDRESS:
ADDRESSEE: Townsend and Townsend and Crew LiP STREET: Two Embarcadero Center, Eighth Floor CITY: San Francisco Center, Eighth Floor STATE: California
COUNTRY: USA
ZIP: 94111-3834
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OFFRATING SYSTEM: PC-DOS/MS-DOS
SOFFWARE: Patentin Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION:
CLASSIFICATION:
CLASSIFICATI
                           US-09-177-306-54
US-09-396-196F-34092
US-09-396-196F-49755
US-09-396-196F-49757
US-09-396-196F-49759
US-09-396-196F-49759
US-09-396-196F-64304
US-09-396-196F-64305
US-09-396-196F-64305
US-09-396-196F-64305
US-09-396-196F-49759
US-09-396-196G-49750
US-09-396-196G-49750
US-09-396-196G-49750
US-09-396-196G-49750
US-09-396-196G-49750
US-09-396-196G-49750
US-09-396-196G-49750
US-09-396-196G-64305
US-09-396-196G-64305
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US-09-660-220-27816
US-09-660-220-27829
US-09-660-220-28011
             US-08-222-615-4
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APPLICATION NUMBER: US 08/770,564
FILING DATE: 20-DEC-1996
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/770,565
FILING DATE: 20-DEC-1996
ATTORNEY/AGENT INFORMATION:
NAME: Storella, John R.
REGISTRATION NUMBER: 32,944
REFERENCE/DOCKET NUMBER: 15389-27PC
TELECOMUNICATION INFORMATION:
TELECOMUNICATION INFORMATION:
TELECOMUNICATION INFORMATION:
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Sequence 6, Application PC/TUS9723619
GENERAL INFORMATION:
APPLICANT:
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PCT-US97-23619-6
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Sequence 6, Application US/08770564A

Sequence 6. Application US/08770564A

GENERAL INFORMATION:
APPLICANT: Kealey, James T.
APPLICANT: Pruzan, Ron
APPLICANT: Weinrich, Scott L.
TITLE OF INVENTION: Inhibitory Polynucleotides Directed
TITLE OF INVENTION: Against the RNA Component of Telomerase
NUMBER OF SEQUENCES: 15
CORRESPONDENCE ADDRESS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               100.0%; Score 20; DB 11; Length 20; 100.0%; Pred. No. 0.36;
                                                                                                                                                                                                                                                                                                                                                                                                                          MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
COMPUTER: IBM PC compatible
COMPUTER: Patentin PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/770,564A
FILING DATE: 20-DEC-1996
CLASSIFICATION: 514
                                                                                                                                                                                                                                        ADDRESSEE: TOWNSEND and TOWNSEND and CREW LLP STREET: Two Embarcadero Center, 8th Floor CITY: San Francisco
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 015389-002200US
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NAME: Storella, John R.
REGISTRATION UNDRER: 32,944
REFERENCE/DOCKET NUMBER: 0153E
TELECOMMUNICATION INFORMATION:
TELEPAN: 415-576-0200
TELEPAX: 415-576-0300
INFORMATION FOR SEQ ID NO: 6: SEQUENCE CHARACTERISTICS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           20
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Best Local Similarity 100.
Matches 20; Conservative
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Score 20; DB 11; Length 30;
Pred. No. 0.36;
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APPLICANT: Feng, Junii
APPLICANT: Feng, Junii
APPLICANT: Funk, Walter
APPLICANT: Andrewe, William
TITLE OF INVENTION: Mammalian Telomerase
NUMBER OF SEQUENCES: 66
CORRESPONDENCE ADDRESS:
ADDRESSER: Townsend and Townsend and Crew
STREET: One Market Plaza, Steuart Tower, Suite 2000
CITY: San Francisco
CITY: California
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               0; Indels
                                                                                                              COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/770,564A
FILING DATE: 20-DEC-1996
CLASSIFICATION: 514
ATTORNEY/AGENT INFORMATION:
NAME: Storella, John R.
REGISTRATION NUMBER: 32,944
REFERENCE/POCKET UNBER: 32,944
REFERENCE/POCKET UNBER: 015389-002200US
TELEFRAMICATION: NUMBER: 015389-010200US
TELEFRAMICATION: NUMBER: 015389-002200US
TELEFRAMICATION: NUMBER: 015389-002200US
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        SOFTWARE: Patentin Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/521,634
FILING DATE: 31-AUG-1995
CLASSIFTCATION: 435
PRIOR APPLICATION DATA:
       TOWNSEND and TOWNSEND and CREW LLP
  ADDRESSEE: TOWNSEND and TOWNSEND and CREW STREET: Two Embarcadero Center, 8th Floor CITY: San Francisco
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Query Match 100.0%; Score 20; DB Best Local Similarity 100.0%; Pred. No. 0.3 Matches 20; Conservative 0; Mismatches
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PRIOR APPLICATION DATA:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          APPLICATION NUMBER: US 08/482,115
FILING DATE: 7-UTN-1995
PATOR APPLICATION DATA:
APPLICATION NUMBER: US 08/472,802
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Sequence 15, Application US/08521634 GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               1 CTGACAGAGCCCAACTCTTC 20
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          1 creacadaccccaacrcrrc 20
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    TELEFAX: 415-576-0300
INFORMATION FOR SEQ ID NO:
SEQUENCE CHARACTERISTICS:
LENGTH: 30 base pairs
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   TYPE: nucleic acid
STRANDEDNESS: single
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                                                                                                    USA
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                RESULT 5
US-08-521-634-15/c
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ZIP: 94105
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                                                                                                                                                                                              Methods for Detecting and Inhibiting the RNA Component of Telomerase
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APPLICANT: Fruzan, Ron
APPLICANT: Pruzan, Ron
TITLE OF INVENTION: Inhibitory Polynucleotides Directed
TITLE OF INVENTION: Against the RNA Component of Telomerase
NUMBER OF SEQUENCES: 15
CORRESPONDENCE ADDRESS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Query Match 100.0%; Score 20; DB 1; Length 30; Best Local Similarity 100.0%; Pred. No. 0.36; Matches 20; Conservative 0; Mismatches 0; Indels
                                                                                                                                                                                                                                                                                                                                                             STATE: CLAIR COUNTRY: USA
ZURP: 9411-3834
ZURP: 9411-3834
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: PCT/US97/23619
TITING DATE: NOT yet assigned
                                                                                                                                                                                       TITLE OF INVENTION: Methods for Detecting and Intitle OF INVENTION: RNA Component of Telomerase NUMBER OF SEQUENCES: 29
CORRESSED NOBENCES: ADDRESS: ADDRESSEE: Townsend and Townsend and Crew LLP STREET: Two Embarcadero Center, Eighth Floor
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          PRIOR APPLICATION DATA:
APPLICATION WHEBE: US 08/770,564
FILING DATE: 20-DEC-1996
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/770,565
FILING DATE: 20-DEC-1996
ATTORNEY/AGENT INFORMATION:
Sequence 5, Application PC/TUS9723619 GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Sequence 5, Application US/08770564A GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            NAME: SCOTELIA, JOHN R.
REGISTRATION NUMBER: 32,944
REFRENCE/DOCKET NUMBER: 1538;
TELECOMMUNICATION INFORMATION:
TELEPAX: (415) 576-0200
INFORMATION FOR SEQ ID NO: 5:
SEQUENCE CHARACTERISTICS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     1 CTGACAGAGCCCAACTCTTC 20
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                LENGTH: 30 base pairs
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       TYPE: nucleic acid
STRANDEDNESS: single
                                                                                                                                                                                                                                                                                                                                         CITY: San Francisco
STATE: California
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    TOPOLOGY: linear MOLECULE TYPE: DNA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             US-08-770-564A-5
                                               APPLICANT:
APPLICANT:
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APPLICATION: Methods of Genetic Analysis of Human
FILE REFERENCE: 3102.1
CURRENT FILIMG DATE: 2000-09-12
PRIOR APPLICATION NUMBER: 600164,973
PRIOR PILIMG DATE: 1999-11-11
NUMBER OF SEQ ID NOS: 140981
SOFTWARE: FastSEQ for Windows Version 4.0
SEQ ID NO 66221
LENGTH: 25
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    DB 26; Length 25;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        APPLICANT: Affirmann et al.
APPLICANT: Affymerrix, Inc.
APPLICANT: Affymerrix, Inc.
APPLICANT: Affymerrix, Inc.
TITLE OF INVENTION: Methods of Genetic Analysis of Human
FILE REFERENCE: 3102.1
CURRENT APPLICATION NUMBER: US/09/660,220
CURRENT APPLICATION NUMBER: 60/164,973
PRIOR APPLICATION NUMBER: 60/164,973
PRIOR FILING DATE: 1999-11-11
SOFTWARE: FARESEQ for Mindows Version 4.0
SEQ ID NO 66822
                                                                                                                                                                                                                                              DB 17; L6
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          0; Mismatches
                                                                                                                                                                                                                                                                                                0; Mismatches
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CRGANISM: Homo Sapiens
PUBLICATION INFORMATION:
DATABER ACCESSION NUMBER: GenBank M95740
US-09-660-220-66821
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         ; PUBLICATION INFORMATION:
; DATABASE ACCESSION NUMBER: GenBank M95740
US-09-660-220-66822
  PRIOR APPLICATION NUMBER: 60/100,678
PRIOR FILING DATE: 1998-09-17
NUMBER OF SEQ ID NOS: 127806
SEQ TYARARE: FastSEQ for Windows Version 4.0
SEQ ID NO 124326
LENGTH: 25
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- 18.09-66.0220-66822/c
; Sequence 66822, Application US/09660220
; GENERAL INFORMATION:
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                                                                                                                                                                                                                                              65.0%;
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Best Local Similarity 100.
Matches 13, Conservative
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Best Local Similarity 100.
Matches 13; Conservative
                                                                                                                                                                                                                                                                                                                                                                                              2 reacadadeceaa 14
                                                                                                                                                   TYPE: DNA
CRGANISM: mus musculus
US-09-396-196G-124326
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        0; Indels
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APPLICANT: David Mack
APPLICANT: David Lockhar
APPLICANT: Affwetrix, Inc.
TITLE OF INVENTION: Methods of Genetic Analysis
FILE REFERENCE: 3101.1
CURRENT APPLICATION NUMBER: US/09/396,196G
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     APPLICANT: Michael Mittmann
APPLICANT: David Mack
APPLICANT: David Lockhart
APPLICANT: Affymetrix, Inc.
TITLE OF INVENTION: Methods of Genetic Analysis
FILE REFERENCE: 3101.1
APPLICATION NUMBER: US 08/330,123
FILING DATE: 27-OCT-1994
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/272,102
FILING DATE: 7-JUL-1994
ATTORNEY/AGENT INFORMATION:
NAME: DUIN, TIACY J.
REGISTRATION NUMBER: 34,587
REGISTRATION NUMBER: 15389-000850
TELECOMMUNICATION NUMBER: 15389-000850
TELECOMMUNICATION NUMBER: 15389-000850
TELECOMMUNICATION NUMBER: 415-326-2400
TELEPHONE: 415-326-2402
INFORMATION FOR SEG ID NO: 15:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Query Match 90.0%; Score 18; DB Best Local Similarity 100.0%; Pred. No. 5.1 Matches 18; Conservative 0; Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     0; Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 CURRENT APPLICATION NUMBER: US/09/396,196F
CURRENT FILING DATE: 2001-09-15
PRIOR APPLICATION NUMBER: 60/100,678
PRIOR FILING DATE: 1998-09-17
NUMBER OF SEQ ID NOS: 127806
SOFTWARE: FastSEQ for Windows Version 4.0
SEQ ID NO 124326
LENGTH: 25
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; Sequence 124326, Application US/09396196G
; GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Sequence 124326, Application US/09396196F
GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                          TOPOLOGY: linear MOLECULE TYPE: DNA (oligonucleotide)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   24 GACAGAGCCCAACTCTTC 7
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Query Match
Best Local Similarity 100.0%;
Matches 13; Conservative 0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     TGACAGAGCCCAA 14
                                                                                                                                                                                                                                                                                                                       SEQUENCE CHARACTERISTICS:
LENGTH: 24 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
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US-09-396-196F-124326
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22 CAGAGCCCAACTC 10
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Best Local Similarity 100.
Matches 13; Conservative
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                          ttmann et al.
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US-09-956-584-314490
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ORGANISM: Mus musculus
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LENGTH: 25
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                                                                                                                                                                         Sequence 66827, Application US/09660220
GENERAL INFORMATION:
APPLICANT: Mittmann et al.
APPLICANT: Mittmann et al.
TILE REFERENCE: 3102.1
CURRENT APPLICATION NUMBER: US/09/660,220
CURRENT FILING DATE: 2000-09-12
PRIOR APPLICATION NUMBER: 60/164,973
PRIOR PILING DATE: 1999-11-11
NUMBER OF SEQ ID NOS: 140981
SOFTWARE: FastSEQ for Windows Version 4.0
SEQ ID NO 66827
LENGTH: 25
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Query Match 65.0%; Score 13; DB 26; Length 25; Best Local Similarity 100.0%; Pred. No. 3.7e+03; Matches 13; Conservative 0; Mismatches 0; Indels
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APPLICANT: Mittmann et al.
APPLICANT: Affymetrix, Inc.
TITLE OF INVENTION: Methods of Genetic Analysis of Human FILE REFERENCE: 3102.1
CURRENT APPLICATION NUMBER: US/09/660,220
CURRENT FILING DATE: 2000-09-12
PRIOR PLILOG DATE: 1999-11-11
NUMBER OF SEQ ID NOS: 140981
SOFTWARE: FASTSEQ for Windows Version 4.0
   Pred. No. 3.7e+03;
Mismatches 0;
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; DATABASE ACCESSION NUMBER: Genbank M95740
US-09-660-220-66827
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; DATABASE ACCESSION NUMBER: GenBank M95740
US-09-660-220-66828
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 Similarity 100.0%; P 13; Conservative 0;
                                                       5 CAGAGCCCAACTC 17
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Best Local Similarity 100.
Matches 13, Conservative
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ORGANISM: Homo Sapiens
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Best Local Similarity
Matches 13; Conserv
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US-09-660-220-66827/c
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US-09-660-220-66829/c
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LENGTH: 25
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US-09-956-584-314500

Search completed: June 23, 2003, 16:08:19 Job time: 1678.53 secs

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Query Match
Best Local Similarity
Matches 12; Conserv
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Sequence 10, Appl
Sequence 3187, Ap
Sequence 2221, Ap
Sequence 2221, Ap
Sequence 110, Appl
Sequence 110, Appl
Sequence 26, Appl
Sequence 24, Appl
Sequence 25, Appl
Sequence 25, Appl
Sequence 25, Appl
Sequence 1383, Ap
Sequence 1384, Ap
                                                                                                                                          June 23, 2003, 06:41:29 ; Search time 160.717 Seconds (without alignments) 182.610 Million cell updates/sec
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Published Applications NA:*
: /cgn2_6/ptodata/1/pubpna/US07_PUBCOMB.seg:*
GenCore version 5.1.6
(c) 1993 - 2003 Compugen Ltd
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           US-09-898-779-110
US-09-992-665-205
US-10-098-263B-110352
US-09-118-276-16
US-09-824-017-24
US-09-986-118A-24
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US-09-986-118A-25
US-09-918-875-1383
US-09-818-875-1384
US-09-818-875-1384
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US-10-093-958-22
US-10-291-022-2
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US-09-940-185-2291
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  SUMMARIES
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                                                                                            - nucleic search, using sw model
                                                                                                                                                                                                                                                                                             1 CTGACAGAGCCCAACTCTTC 20
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Gapop 60.0 , Gapext 60.0
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20
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Match Length DB
                       Copyright
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Perfect score:
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                                                                                                                                             Run on:
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Sequence 161, App
Sequence 1126, Ap
Sequence 420, App
Sequence 3, Appli
Sequence 23, Appli
Sequence 33, Appli
Sequence 387, App
                                        Sequence 2918, Ap
Sequence 5, Appli
                                Sequence 8, Appl
                                                                                    Sequence 72819,
Sequence 78124,
Sequence 79153,
                                                Sequence 5700,
Sequence 12238,
                                                         Sequence 34264,
                             Sequence 420,
                                                                 Sequence 42034,
                                                            Sequence 42033,
                                                                    Sequence 44063,
                                                                        Sequence 49892,
                                                                                                Sequence 79154
                                     Sequence
                                                                            Sequence Sequence
                                                                                                    Sequence
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ALIGNMENTS

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Sequence 110, Application US/09898779
; Sequence 110, Application US/09898779
; Patent No. US20020106657A1
; GENERAL INFORMATION:
; APPLICANT: Maren T. Scheuner (Inventor)
; APPLICANT: Maren T. Scheuner (Inventor)
; APPLICANT: Huiying Yang (Inventor)
; APPLICANT: Huiying Yang (Inventor)
; TITLE OF INVENTION: On US20020106657A1-responsiveness to Statin Drug Treatment
; TITLE OF INVENTION: No. US20020106657A1-responsiveness to Statin Drug Treatment
; TITLE OF INVENTION: NO. US20020106657A1-responsiveness to Statin Drug Treatment
; TITLE OF INVENTION NUMBER: US/09/898,779
; CURRENT FILING DATE: 1999-07-07
; PRIOR FILING DATE: 1999-07-02
; NUMBER OF SEQ ID NOS: 110
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 110
               Gaps
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TITLE OF INVENTION: Probes and Decoder Oligonucleotides
FILE REPERENCE: A-69605-1
CURRENT APPLICATION NUMBER: US/09/940,185
CURRENT FILING DATE: 2001-08-27
FRICH APPLICATION NUMBER: US 60/227,948
FRICH APPLICATION NUMBER: US 60/228,854
FRICH APPLICATION NUMBER: US 60/228,854
FRICH FILING DATE: 2000-08-29
FRICH FILING DATE: 2000-08-29
NUMBER OF SEQ ID NOS: 4768
SOFTWARE: Patentin version 3.1
SEQ ID NO 2291
LENGTH: 24
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US-09-940-185-2291
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55.0%; Score 11; DB 9; Le
Best Local Similarity 100.0%; Pred. No. 1.8e+03;
Matches 11; Conservative 0; Mismatches 0;
             Mismatches
                                                                                                                                                                                                     Sequence 2291, Application US/09940185 Publication No. US20030096239A1 GENERAL INFORMATION: APPLICANT: Gunderson, Kevin
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ORGANISM: Artificial Sequence
           11; Conservative
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Best Local Similarity 100.
Matches 11; Conservative
                                                     1 CTGACAGAGCC 11
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US-09-898-779-110
                                                                                           11 CTGACAGAGCC
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           Matches
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Publication No. US2003073116A1

Sequence 65, Application No. US2003073116A1

SEDICAMT Ginsburg, David

APPLICAMT: Levy, Gallia

APPLICAMT: Tsai, Han-Mou

TITLE OF INVENTION: ADAMTS13 Genes and Proteins and Variants, and Uses Thereof

TITLE OF INVENTION NOTE: 2002-08-16

CURRENT APPLICATION NUMBER: US/10/222,334

CURRENT APPLICATION NUMBER: 60/312,834

PRIOR APPLING DATE: 2001-08-16

NUMBER OF SEQ ID NOS: 78

SSOFTMARE: PatentIn version 3.1

SSOFTMARE: PatentIn version 3.1

LENGTH: 21
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APPLICANT: Effertz.
APPLICANT: Hauge, Brian M.
ITILE OF INVENTION: SOYDean SSR8 and Methods of Genotyping FILE REPERENCE: 38-10(52679) A.
CURRENT APPLICATION NUMBER: US/09/969,373
CURRENT FILING DATE: 2001-10-02
PRIOR PILING DATE: 2001-01-05
PRIOR FILING DATE: 2001-01-13
PRIOR PILING DATE: 2001-05-15
SRQ ID NO 3187
LENGTH: 18
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1.8e+03;
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Patent No. US20020133852A1
GENERAL INFORMATION:
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                                                                                                        Query Match
Best Local Similarity 100.0%;
Matches 12; Conservative 0
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Best Local Similarity 100.
Matches 11; Conservative
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; LENGTH: 31
; TYPE: DNA
; ORGANISM: Rattus rattus
US-09-288-971-10
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  ORGANISM: Glycine max
US-09-969-373-3187
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Query Match
Bost Local Similarity
                                                                                                                                                                                                                                                                                                                         -09-969-373-3187
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STATE: D.C.
COUNTRY: U.S.A.
ZIP: 20007-5109
COMPUTER READABLE FORM:
MEDIUM TYPE: Ploppy disk
COMPUTER: IBM PC Compatible
COMPUTER: Patent PC-DOS/MS-DOS
SOFTWARE: PatentIN Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION DATA:
APPLICATION DATA:
APPLICATION 10MBER: US/09/824,017
CLASSIFICATION: 424
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Sequence 24, Application US/09824017
Publication No. US20020197668A1
GENERAL INFORMATION:
APPLICANT: BURGER, Alexander
HALLER, Michael
TITLE OF INVENTION: PAPILLOMA VIRUS CAPSOMERE VACCINE
FORMULATIONS AND METHODS OF USE
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Length 26;
                                          B: SIXBEY, FRIEDMAN, LEEDOM, & FERGUSON 8180 GREENSBORD DRIVE, SUITE 800
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             1.8e+03;
                                                                                                                                                                                                                                                                                                                                                                                             KENNETH H.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Score 11; DB 10;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 0; Mismatches
                                                                                                                                                                                                                                                          SOFTWARE: ASCII
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/118,276
FILING DATE: 17-JUL-1998
PRIOR APPLICATION DATA: NONE
ATORNEY/AGENT INFORMATION:
NAME: SCHULMAN, ROBERT M.; SALEN, KEN
REGISTRATION NUMBER: 31,196; 43,077
REFERENCE/DOCKET NUMBER: 6201-0003
TELECOMMUNICATION INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             APPLICATION NUMBER: 09/026,896
FILING DATE: 1998-02-20
ATTORNEY/AGENT INFORMATION:
NAME: Sandercock, Colin G.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  REGISTRATION NUMBER: 31,298
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         NUMBER OF SEQUENCES: 28
CORRESPONDENCE ADDRESS:
ADDRESSEE: FOLSY & LARDNER
STREET: 3000 K Street, N.W.
                                                                                                                                                                                             MEDIUM TYPE: 3-1/2" DISKETTE
COMPUTER: IBM-COMPATIBLE
OPERATING SYSTEM: MS-DOS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    55.0%; {
100.0%;
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TELEFAX: (703) 883-0370
INFORMATION FOR SEQ ID NO: 16:
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Best Local Similarity 100.
Matches 11; Conservative
                                                                                                                                              ZIP: 22102
COMPUTER READABLE FORM:
MEDIUM TYPE: 3-1/2" 1
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NUMBER OF SEQUENCES: 2
CORRESPONDENCE ADDRESS:
ADDRESSEE: SIXBEY, F
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   TOPOLOGY: LINEAR
                                                                                   MCLEAN,
VIRGINIA
                                                                                   CITY: MCLEAN,
STATE: VIRGINI
COUNTRY: USA
ZIP: 22102
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                                                        Sequence 205, Application US/09992665
Publication No. US200300920091
GENERAL INFORMATION:
APPLICANT: Kaia Palm
TITLE OF INVENTION: PROFILING TUMOR SPECIFIC MARKERS FOR THE
TITLE OF INVENTION: DIAGNOSIS AND TREATMENT OF NEOPLASTIC DISEASE
FILE REFERENCE: CEMINES: 002A
CURRENT APPLICATION NUMBER: US/09/992,665
CURRENT FILING DATE: 2001-11-13
PRIOR FILING DATE: 2000-11-16
NUMBER OF SEQ ID NOS: 380
SOFTWARE: FastSEQ for Windows Version 4.0
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APPLICANT: KUSHNIR, SEREEI;
APPLICANT: BE BLOCK, MARC;
APPLICANT: INZE, DIRK
TITLE OF INVENTION: METHODS AND MEANS TO MODULATE PROGRAMMED
TITLE OF INVENTION: CELL DEATH IN EUKARYOTIC CELLS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Sequence 110352, Application US/10098263B
; Publication No. US2003104410A1
; GENERAL INFORMATION:
; AFPLICANT: Mittman, Michael
; TITLE OF INVENTION: Human Microarray
; FILE REFERENCE: 3118.1
; CURRENT APPLICATION NUMBER: US/10/098,263B
; CURRENT APPLICATION NUMBER: US/10/098,263B
; CURRENT APPLICATION NUMBER: 05/276,759
; PRIOR FILING DATE: 2001-03-16
; NUMBER OF SEQ ID NOS: 131066
; SOFTWARE: Microarray Probe Sequence Listing Generator V 1.1
LENGTH: 25
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         55.0%; Score 11; DB 9; Length 25; 100.0%; Pred. No. 1.8e+03; iive 0; Mismatches 0; Indels
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Patent No. US20010011381A1
GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                             ORGANISM: Artificial Sequence
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Best Local Similarity 100.0
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Best Local Similarity 100.
Matches 11; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                       OTHER INFORMATION: Probe US-09-992-665-205
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US-10-098-263B-110352
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                                          US-09-992-665-205
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                                                                                                                                                                                                                                                                                                                                             SEQ ID NO 205
LENGTH: 25
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Gaps

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Gaps

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TITLE OF INVENTION: PAPILLOMA VIRUS CAPSOMERE VACCINE
FORMULATIONS AND METHODS OF USE
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Length 38;
Indels
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.30
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       NAME: Sandercock, Colin G.
REGISTRATION WIMBER: 31,298
REFERENCE/DOCKET NUMBER: 37067/102
TELECOMMINICATION INFORMATION:
TELEPHONE: (202) 672-5300
  Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/824,017
FILING DATE: 03.Apr-2001
CLASSIFICATION: 424
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    );
DESCRIPTION: /desc = "Primer";
SEQUENCE DESCRIPTION: SEQ ID NO: 25:
US-09-824-017-25
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            APPLICATION NUMBER: 09/026,896
FILING DATE: 1998-02-20
ATTORNEY/AGENT INFORMATION:
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Pred. No.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  MOLECULE TYPE: other nucleic acid
                                                                                                                                                                                                                                                                                                                                              CORRESPONDENCE ADDRESS:
ADDRESSEE: FOLEY & LARDNER
                                                                                                                                                                                                                                                                                                                                                                                    STREET: 3000 K Street, N.W. CITY: Washington
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                                                                                                                                                                           Sequence 25, Application US/09824017 Publication No. US20020197668A1 GENERAL INFORMATION:
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100.0%; Pre
                                                                                                                                                                                                                                                                                                                                                                                                                                             COUNTRY: U.S.A.
ZIP: 20007-5109
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      APPLICANT: BURGER, Alexander HALLEK, Michael
                                                                                                                                                                                                                                            APPLICANT: BURGER, Alexander
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STRANDEDNESS: single
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             INFORMATION FOR SEQ ID NO: 25
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Best Local Similarity 100.
Matches 11; Conservative
  Conservative
                                                                                                                                                                                                                                                                                                                           NUMBER OF SEQUENCES:
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                                          3 GACAGAGCCCA 13
                                                                                28 GACAGAGCCCA 18
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  11;
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    Matches
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Length 36;
                                                                                                                                                                                                                                                                                                        DB 9; Length 36;
1.7e+03;
                                                                                                                                                                                                                                                                                                                                                0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         CURRENT SYSTEM: PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/986,118A
FILING DATE: 07-No. US20030021806A1-2001
CLASSIFICATION: <UNKNOWN>
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          FORMULATIONS AND METHODS OF USE
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     55.0%; Score 11; DB 9; Le 100.0%; Pred. No. 1.7e+03;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     NAME: Sandercock, Colin G.
REGISTRATION NUMBER: 31,298
REFERENCE/DOCKET NUMBER: 37067/102
TELECOMMUNICATION INFORMATION:
TELEPHONE: (202) 672-5300
        REFERENCE/DOCKET NUMBER: 37067/102
                                                                                                                                                                                                                                                                                                                                                    0; Mismatches
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APPLICATION NUMBER: US 09/026,896
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MOLECULE TYPE: other nucleic acid
DESCRIPTION: /desc = "Primer"
SEQUENCE DESCRIPTION: SEQ ID NO: 24:
US-09-986-118A-24
                                                                                                                                                                                                                         DESCRIPTION: /desc = "Primer" SEQUENCE DESCRIPTION: SEQ ID NO: 24:
                                                                                                                                                                                                                                                                                                            55.0%; Score 11; 100.0%; Pred. No.
                                                                                                                                                                                   TOPOLOGY: linear
MOLECULE TYPE: other nucleic acid
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 ADDRESSEE: FOLEY & LARDNER STREET: 3000 K Street, N.W
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              US-09-986-118A-24/c; Sequence 24, Application US/09966118A; Publication No. US20030021806A1
                         TELECOMMUNICATION INFORMATION:
TELEPHONE: (202) 672-5300
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           COUNTRY: U.S.A.
ZIP: 20007-5109
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          TELEFAX: (202) 672-5399 INFORMATION FOR SEQ ID NO: 24:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               APPLICANT: BURGER, Alexander HALLEK, Michael
                                                               TELEFAX: (202) 672-5399
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               FILING DATE: <Unknown>
ATTORNEY/AGENT INFORMATION:
                                                                                INFORMATION FOR SEQ ID NO: 24:
SEQUENCE CHARACTERISTICS:
LENGTH: 36 base pairs
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        LENGTH: 36 base pairs
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                                                                                                                                               TYPE: nucleic acid
STRANDEDNESS: single
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Best Local Similarity 100.
Matches 11, Conservative
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Burt Local Similarity
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Gaps

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Sequence 1384, Application US/09818875

Sequence 1384, Application US/09818875

Publication No. US2003061270A1

GENERAL INFORMATION:

APPLICANT: Kmiec, Eric B.

APPLICANT: Raice, Michael C.

TITLE OF INVENTION: Stranded Oligonucleotides

TITLE OP INVENTION: Stranded Oligonucleotides

TITLE OP INVENTION: Stranded Oligonucleotides

FILE REFERENCE: Napro-4

CURRENT FILING DATE: 2001-03-27

PRIOR APPLICATION NUMBER: US 60/192,176

PRIOR APPLICATION NUMBER: US 60/192,179

PRIOR PILING DATE: 2000-03-27

PRIOR PELING DATE: 2000-06-01

PRIOR PILING DATE: 2000-
                                                                                                                                  Gaps
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                                                               Score 10; DB 9; Los Pred. No. 7.5e+03; 0; Mismatches 0;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     0; Mismatches
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                                                               50.0%;
100.0%;
                                                    Query Match
Best Local Similarity 100.
Matches 10; Conservative
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Best Local Similarity 100.
Matches 10; Conservative
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               ; ORGANISM: Homo sapiens
US-09-818-875-1384
                                                                                                                                                                                                                                                                                                                                                                                                       US-09-818-875-1384/c
US-09-818-875-1383
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APPLICANT: Rate, Michael C.
TITLE OF INVENTION: Targeted Chromosomal Genomic Alterations with Modified Single
TITLE OF INVENTION: Stranded Oligonucleotides
TITLE OF INVENTION: Stranded Oligonucleotides
TITLE OF INVENTION: Stranded Oligonucleotides
FILE REFERENCE: Napro-4
CURRENT APPLICATION NUMBER: US 60/192,176
FRIOR APPLICATION NUMBER: US 60/192,176
FRIOR APPLICATION NUMBER: US 60/192,179
FRIOR APPLICATION NUMBER: US 60/192,179
FRIOR PILING DATE: 2000-03-27
FRIOR PILING DATE: 2000-06-01
FRIOR PILING DATE: 2000-10-30
NUMBER OF SEQ ID NOS: 4385
SOFTWARE FILEMEN MADPLICATION NUMBER: VIEWMEN SEQ ID NOS: 4385
SEQ ID NO 1383
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         ö
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                                                                                                                       STATE: D.C.
COUNTRY: U.S.A.
ZIP: 2007-5107
COMPUTER: READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPEATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
                                                                                                                                                                                                                                                                                                                                                                                                                                   APPLICATION NUMBER: US/09/986,118A
FILING DATE: 07-No. US20030021806A1-2001
CLASSIFICATION: <Unknown>
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               55.0%; Score 11; DB 9; Le 100.0%; Pred. No. 1.7e+03; trive 0; Mismatches 0;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               PRIOR APPLICATION NUMBER: US 09/026,896
FILING DATE: CURNOWN
ATTORNEY AGENT INFORMATION:
NAME: Sandercock, Colin G.
REGISTRATION NUMBER: 31,298
REFERENCE/DOCKET NUMBER: 37067/102
TELECOMUNICATION INFORMATION:
TELEPHONE: (202) 672-5300
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   TOPOLOGY: linear

MOLECULE TYPE: other nucleic acid

DESCRIPTION: /desc = "Priner"

SEQUENCE DESCRIPTION: SEQ ID NO: 25:
US-09-986-118A-25
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Sequence 1383, Application US/09818875 Publication No. US20030051270A1 GENERAL INFORMATION: APPLICANT: Kmiec, Eric B.
                               EE: FOLEY & LARDNER 3000 K Street, N.W
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       TYPE: nucleic acid
STRANDEDNESS: single
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 TELEFAX: (202) 672-9
INFORMATION FOR SEQ ID NO: 25
SEQUENCE CHARACTERISTICS
                                                                                                  CITY: Washington
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Query Match
Best Local Similarity 100.
Matches 11; Conservative
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for Detecting the RNA Component of
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COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.30

CURRENT APPLICATION DATA:
APPLICANT: Wim, Nam Woo
APPLICANT: Wim, Fred
APPLICANT: Kealey, James T.
APPLICANT: Realey, James T.
APPLICANT: Weinrich, Scott L.
TITLE OF INVENTION: Methods for Detecting the FITLE OF INVENTION: Talomerase
NUMBER OF SEQUENCES: 26
CORRESPONDENCE ADDRESS: ADDRESSE: 
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        FILING DATE: 20-DEC-1996
CLASSIFICATION: 435
ATTORNEY/AGENT INFORMATION:
NAME: SCOTELLA JOHN R.
REGISTRATION NUMBER: 32,944
REFERENCE/DOCKET NUMBER: 015389-002300US
TELECHONE: 415-576-0200
TELEPHONE: 415-576-0300
INFORMATION FOR SEQ ID NO: 6:
SEQUENCE CHARACTERISTICS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      ALIGNMENTS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      APPLICATION NUMBER: US/08/770,565
FILING DATE: 20-DEC-1996
CLASSIFICATION: 435
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; Patent No. 5846723
; GENERAL INFORMATION:
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Best Local Similarity 100.0
Matches 20; Conservative
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    STRANDEDNESS: single
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US-08-770-565-6
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('GGT2_6')ptodata2/ina/5A_COMB.seq:*

('GGT2_6')ptodata2/ina/5B_COMB.seq:*

('GGT2_6')ptodata2/ina/6A_COMB.seq:*

('GGT2_6')ptodata2/ina/6B_COMB.seq:*

('GGT2_6')ptodata2/ina/6B_COMB.seq:*

('GGT2_6')ptodata2/ina/PTUS COMB.seq:*

('GGT2_6')ptodata2/ina/backfIles1.seq:*
                           GenCore version 5.1.6
Copyright (c) 1993 - 2003 Compugen Ltd
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US-09-071-845-1733
US-08-584-040-5345
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-08-944-368A-24
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US-08-913-547-3
US-08-927-219-29
US-09-347-114A-110
US-08-944-368A-24
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-08-944-368A-25
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-09-051-363-23
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                                                                                                                     nucleic search, using sw model
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Gapop_60.0 , Gapext 60.0
                                                                                                                                                                                                                                                      US-08-770-564A-6
20
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Match Length
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Perfect score:
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Gaps

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COMPUTER READABLE FORM:

MEDIUM TYPE: Floppy disk
COMPUTER: Elappy disk
COMPUTER: Elab PC compatible
COPERATION SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/974,180
FILING DATE: 19-NOV-1997
CLESSIFICATION: 435
ATTORNEY/AGENT INFORMATION:
NAME: Kaster, Kevin R.
REGISTRATION NUMBER: 206
TELECOMMUNICATION NUMBER: 206
TELECOMMUNICATION INFORMATION:
TELECOMMUNICATION NUMBER: 206
TELECOMMUNICATION NUMBER: 206
TELECOMMUNICATION OF 33:
TELEPRAX: (650) 473-779
TELEPRAX: (650) 473-779
TELEPRAX: 650) 473-654
INFORMATION FOR SEQ ID NO: 33:
SEQUENCE CHARACTERISTICS:
LENGTH: 26 base pairs
TYPE: MOLDIA caid
STRANDEDNESS: single
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         ; LOCATION: 1..26
; OTHER INFORMATION: /note= "primer hTR 5328"
US-08-974-180-33
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Score 14; DB 3;
Pred. No. 8.4;
0; Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               : RELATED TO LEVELS OF
: INTRACELLULAR ADHESION
: MOLECULE-1 (I-CAM-1)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                TITLE OF INVENTION: RIBOZYME TREATMENT OF TITLE OF INVENTION: DISEASES OR CONDITIONS TITLE OF INVENTION: RIBATED TO LEVELS OF TITLE OF INVENTION: INTRACELLULAR ADHESION TITLE OF INVENTION: MOLECULE-1 (I-CAM-1) CORRESPONDENCES: 2390
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              CITY: Los Angeles
STATE: California
COUNTRY: U.S.A.
ZIP: 90071-2066
COMPUTER READABLE FORM:
MEDIUM TYPE: 3.5" Diskette, 1.44 Mb
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       COMPUTER: IBM Compatible
OPERATING SYSTEM: IBM P.C. DOS 5.0
SOFTWARE: World Perfect 5.1
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/292,620A
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   US-08-292-620A-451
; Sequence 451, Application US/08292620A
; Patent No. 5837542
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     70.0%; Scor.
100.0%; Pre
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      APPLICANT: Susan Grimm APPLICANT: Dan T. Stinchcomb APPLICANT: James McSwiggen APPLICANT: Sean Sullivan. APPLICANT: Kenneth G. Draper
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  1 CTGACAGAGCCCAA 14
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            MOLECULE TYPE: DNA
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Best Local Similarity
Matches 14; Conserv
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         linear
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                                                                                                                                                                                                                 APPLICANT: Wu, Fred
APPLICANT: Kealey, James T.
APPLICANT: Pruzan, Ronald
APPLICANT: Weinrich, Scott L.
TITLE OF INVENTION: Methods for Detecting the RNA Component of
TITLE OF INVENTION: Telomerase
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Sequence 33, Application US/08974180
Patent No. 6025194
GENERAL INFORMATION:
APPLICANT: Funk, Walter
TITLE OF INVENTION: Cellular Senescence
NUMBER OF SEQUENCES: 36
CORRESPONDENCE ADDRESS:
ADDRESSE: Geron Corporation
STREET: 230 Constitution Drive
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Query Match 100.0%; Score 20; DB 2; Length 30; Best Local Similarity 100.0%; Pred. No. 0.0025; Matches 20; Conservative 0; Mismatches 0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         SOFTWARE: Patentin Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/770,565
FILING DATE: 20-DEC-996
CLASSIFICATION: 435
ATTORNEY/AGENT INFORMATION:
NAME: Storella, John R.
REGISTRATION NUMBER: 32,944
REPERENCE/DOCKET NUMBER: 015389-002300US
TELECHONE: 415-576-0200
                                                                                                                                                                                                                                                                                                                                                                                                  TOWNSEND and TOWNSEND and CREW LLP
                                                                                                                                                                                                                                                                                                                                                   NUMBER OF SEQUENCES: 26
CORRESSPONDENCE ADDRESS:
ADDRESSBE: TOWNSEND and TOWNSEND and CREW
STREET: Two Embarcadero Center, 8th Floor
CITY: San Francisco
STATE: California
COUNTRY: USA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   ZIP: 9411-3834
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           SEE: Geron Corporation : 230 Constitution Drive Menlo Park
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             CIGACAGAGCCCAACICITC 20
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                                                                                                                          Sequence 5, Application US/08770565
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              TELEFAX: 415-5/0-
INFORMATION FOR SEQ ID NO: 6
SEQUENCE CHARACTERISTICS:
TRUGTH: 30 Dase pairs
                                                                                                                                                                                               APPLICANT: Kim, Nam Woo APPLICANT: Wu, Fred
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     TYPE: nucleic acid
STRANDEDNESS: sing
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    linear
                                                                                                                                                      Patent No. 5846723
GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  ; TOPOLOGY: 11;
; MOLECULE TYPE:
US-08-770-565-5
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                                                                                RESULT 2
US-08-770-565-5
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Gaps

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Length 26; Indels

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Sequence 12, Application US/08273776

Sequence 12, Application US/08273776

Patent No. 5510084

GENERAL INFORMATION:

APPLICANT: Cros, Phillippe

APPLICANT: Allibert, Patrice Andre

APPLICANT: Dalbon, Pascal Thierry

ITLE OF INVENTION: Process for Immobilizing a Nucleic Acid

TITLE OF INVENTION: Fragment by Passive Attachement to a Solid Substrate, the

TITLE OF INVENTION: Solid Substrate thus Obtained and Its Use:

NUMBER OF SEQUENCES: 12

CORRESPONDENCE ADDRESS:

ADDRESSEE: Oliff and Berridge

STREET: 700 S. Washington St.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   ö
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                                                                                                                                                                                                                                                                                                                                                                                                                                                             Length 15;
                                                                                                                                                                                                                                                                                                                                                                                                                                                          Query Match 55.0%; Score 11; DB 3; Length 15; Best Local Similarity 72.7%; Pred. No. 4.8e+02; Matches 8; Conservative 3; Mismatches 0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        CITY: Alexandria
STATE: Virginia
COUNTRY: USA
ZIP: 22114
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.25
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                FILING DATE:
CLASSIFICATION 1435
REIOR PAPLICATION 1435
REIOR PAPLICATION 1435
REIOR PAPLICATION DATE: US 07/913,953
FILING DATE: 17-JUL-1992
ATTORNEY/AGENT INFORMATION:
NAME: Berridge, William P.
REGISTRATION NUMBER: 30,024
REFERENCE/DOCKET NUMBER: WPE28083
TELECHONE: (703) 836-6400
TELECHONE: (703) 836-2787
TELERAX: (703) 836-2787
TELERAX: 90-1799 PTO ALEX
INFORMATION FOR SEQ ID NO: 12:
SEQUENCE CHARACTERISTICS:
LENGTH: 18 base pairs
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/273,776
                                                                                                    208/149
                                  NAME: Warburg, Richard J.
REGISTRATION UNDBER: 32,327
REFERENCE/DOCKET NUMBER: 208/;
TELECOMMUNICATION INFORMATION:
TELEFRAK: (213) 489-1600
TELEFAK: (213) 955-0440
TELEFAK: (213) 955-0440
TELEFAK: (213) 955-0440
TELEFAK: (7-3510
INFORMATION FOR SEQ ID NO: 451:
SEQUENCE CHARACTERISTICS:
LENGTH: 15 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPLOGY: linear
US-09-071-845-451
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           MOLECULE TYPE: DNA (genomic) HYPOTHETICAL: NO
                    ATTORNEY/AGENT INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             TYPE: nucleic acid
STRANDEDNESS: single
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          10 CCCAACTCTTC 20
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Pred. No. 4.8e+02;
3; Mismatches 0; Indels
                                           including application described below:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           GENERAL INFORMATION:

APPLICANT: Susan Grimm
APPLICANT: Dan T. Stinchcomb
APPLICANT: James McSwiggen
APPLICANT: Sean Sullivan
APPLICANT: Kenneth G. Draper
ITILE OF INVENTION: RIBOZYME OF
ITILE OF INVENTION: RIBOZYME OF
ITILE OF INVENTION: RIBOZYME ADHESION
ITILE OF INVENTION: NAMEACELLUAR ADHESION
ITILE OF INVENTION: MOLECULE-1 (I-CAM-1)
NUMBER OF SEQUENCES: 2390
CORRESPONDENCE ADDRESS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              3; Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         ADDRESSEE: Lyon & Lyon
STREET: 633 West Fifth Street
STREET: Suite 4700
CITY: Los Angeles
COUNTY: U.S.A.
ZIP: 90071-2066
COMPUTER READABLE FORM:
MEDIUM TYPE: 3.5" Diskette, 1.44 MD
MEDIUM TYPE: 8100296
COMPUTER: IBM COMPATER: U.S.A.
COMPUTER: Word Perfect 5.1
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/071,845
PRIOR APPLICATION DATA:
APPLICATION NUMBER:
PLILING DATE:
PRIOR APPLICATION NUMBER:
PILING DATE:
PREGESTRATION NUMBER:
ATTORNEY/AGENT INFORMATION:
NAME: Warburg, Richard J.
REGISTRATION NUMBER: 208/149
TELEFHONE: (213) 955-0440
TELEFHONE: (213) 955-0440
TELEFAX: (213) 955-0440
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             US/08/292,620
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CLASSIFICATION
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US/08/292,620
FILING DATE: August 17, 1994
APPLICATION NUMBER: 08/008,895
FILING DATE: January 19, 1993
APPLICATION NUMBER: 07/989,849
FILING DATE: December 7, 1992
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Sequence 451, Application US/09071845 Patent No. 6132967
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        55.0%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Query Match
Best Local Similarity 72.7
Matches 8; Conservative
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          linear
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US-08-292-620A-451
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HAPLOTYPE:
TISSUE TYPE:
CELL TYPE:
CELL LINE:
ORGANELLE:
IMMEDIATE SOURCE:
LIBRARY:
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FRAGMENT TYPE:
ORIGINAL SOURCE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        ORGANISM:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     TITLE:
JOURNAL:
VOLUME:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        STRAIN:
                                                                                                                                                                                                                                                                                                    APPLICANT: ALIBERT, PATRICE
APPLICANT: ALLIBERT, PATRICE
APPLICANT: MALLET, FRANCOIS
APPLICANT: MALLET, FRANCOIS
APPLICANT: MABILAT, CLAUDE
APPLICANT: MADINAND: BERNARD
TITLE OF INVENTION: SEQUENCE BY IMPLEMENTING THE SANDWICH HYBRIDIZATION
TITLE OF INVENTION: TECHNIQUE
NUMBER OF SEQUENCES: 113
CORRESPONDENCES: 113
CORRESPONDENCES: 113
CORRESPONDENCES: CUSHWAN, DARBY & CUSHWAN
STREET: 1100 NEW YORR AVENUE, N.W.
CITT: WASHINGTON
COUNTRY: USA
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                                                                            Gaps
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                                     Length 18;
                                                                          Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.25
CURRATI APPLICATION DATA:
APPLICATION NUMBER: US/08/255,892
                        55.0%; Score 11; DB 1; Lei
100.0%; Pred. No. 4.8e+02;
Mismatches 0;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         FILING DATE:
CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 07/834,543
FILING DATE: 11-FEB-1992
ATTORNEY/AGENT INFORMATION:
NAME: DEAVER, DONNLD B.
REGISTRATION NUMBER: 23,040,00
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    REFERENCE/DOCKET NUMBER: 1032/94109
TELECOMMUNICATION INFORMATION:
TELEPHONE: 202-861-3000
                                                                                                                                                                                                                                      US-08-255-892-42; Sequence 42, Application US/08255892; Patent No. 5695926; GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     RESULT 8
US-08-358-995-2/c
; Segmence 2, Application US/08358995
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          , MOLECULE TYPE: DNA (genomic) US-08-255-892-42
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   TELEX: 6714627 CUSH
INFORMATION FOR SEQ ID NO:
SEQUENCE CHARACTERISTICS:
                                     Query Match
Best Local Similarity 100.
Matches 11; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               LENGTH: 18 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
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                                                                                                                    3 GACAGAGCCCA 13
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US-08-273-776-12
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     TELEFAX:
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THIS OF INVESTION: Microtiter well For Detecting TITLE OF INVESTION: Microtiter well For Detecting CONNESSEE (Menderoth, Lind & Ponack STREET: 0.6. C. C. CONNEY: U.S.A. CONNEY: W. S.A. CONNEY: U.S.A. CONNEY: W. S.A. CONNEY: W. S.A.
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Sequence 110, Application US/09347114A

Sequence 110, Application US/09347114A

Patent No. 6297014

GENERAL INFORMATION:
APPLICANT: Maren T. Scheumer (Inventor)
APPLICANT: Maren T. Scheumer (Inventor)
APPLICANT: Jerome I. Rotter (Inventor)
APPLICANT: Jerome I. Rotter (Inventor)
APPLICANT: Huiýing Yang (Inventor)
TITLE OF INVENTION: Genetic Test to Determine
TITLE OF INVENTION: 0. 6297014-responsiveness to Statin Drug Treatment;
FILE REFERENCE: POY 41878
CURRENT APPLICATION NUMBER: US/09/347,114A

CURRENT FILING DATE: 1999-07-02

NUMBER OF SEQ ID NOS: 110

SEQ ID NO 110

SEQ ID NO 110
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Length 21;
                                                                   CURRENT APPLICATION DATA:
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/927,219
FILING DATE: Concurrently Herewith
CLASSITCATION: 435
FILING DATE: O.COCT.1996
FILING DATE: US 60/029,679
FILING DATE: US 60/028,056
FILING DATE: US 60/025,719
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    4.8e+02;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Query Match 55.0%; Score 11; DB Best Local Similarity 100.0%; Pred. No. 4.6 Matches 11; Conservative 0; Mismatches
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      TELEFAX: 512/474-7577
INFORMATION FOR SEQ ID NO: 29:
SEQUENCE CHARACTERISTICS:
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Best Local Similarity 100.
Matches 11; Conservative
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       TYPE: nucleic acid
STRANDEDNESS: single
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   2 TGACAGAGCCC 12
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            , TOPOLOGY: linear
US-08-927-219-29
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   US-09-347-114A-110/c
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                APPLICANT: Wanagata, Kazuya
APPLICANT: Yamagata, Kazuya
APPLICANT: Yamagata, Kazuya
APPLICANT: Machisha
APPLICANT: Machisha
APPLICANT: Machisha
APPLICANT: Furuta, Hiroto
APPLICANT: Horikwa, Yukio
APPLICANT: Marzel, Stephen
TITLE OF INVENTION: MUTATIONS IN THE DIABETES SUSCEPTIBILITY
TITLE OF INVENTION: MUTATIONS IN THE DIABETES SUSCEPTIBILITY
TITLE OF INVENTION: MUTATIONS IN THE DIABETES SUSCEPTIBILITY
TITLE OF INVENTION: AND HNF-4ALPHA
NUMBER OF SEQUENCES: 147
CORRESPONDENCE ADDRESS:
ADDRESSEE: Arnold, White & Durkee
STREET: P.O. Box 4433
CONTY: HOUSTON
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Patent No. 6027891

GENERAL INFORMATION:

APPLICANT: WORNER, Stefano

APPLICANT: WORNER, Stefano

APPLICANT: WORNER, Stefano

TITLE OF INVENTION: HPV-ASSOCIATED CARCINOMAS AND EXTREME DYSPLASIAS

TITLE OF INVENTION: GAUSED BY HPV

CURRENT APPLICATION NUMBER: US/08/913,547A

CURRENT APPLICATION NUMBER: US/08/913,547A

CURRENT PILING DATE: 1998-01-28

NUMBER OF SEQ ID NOS: 24

SOFTWARE: FASTSEQ for Windows Version 3.0
                                                                                                                                                                                                                                                                                                    Gaps
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                                                                                                                                                                                                                                         55.0%; Score 11; DB 1; Length 20; 100.0%; Pred. No. 4.8e+02; tive 0; Mismatches 0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Sequence 29, Application US/08927219
Patent No. 6187533
GENERAL INFORMATION:
                                                                           DOCUMENT NUMBER:
FILING DATE:
PUBLICATION DATE:
RELEVANT RESIDUES IN SEQ ID NO:
US-08-358-995-2
                                                                                                                                                                                                                                            Query Match
Best Local Similarity 100.
Matches 11; Conservative
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Best Local Similarity 100.
Matches 11, Conservative
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COMPUTER READABLE FORM:
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             TYPE: DNA; ORGANISM: Homo sapiens
US-08-913-547-3
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  STATE: Texas
COUNTRY: USA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      US-08-927-219-29
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US-08-913-547-3
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LENGTH: 20
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55.0%; Score 11; DB 4; Length 36; 100.0%; Pred. No. 4.8e+02; ive 0; Mismatches 0; Indels
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SQUENCES:
ADDRESSE:
Marshall, O'Toole, Gerstein, Murray & ADDRESSE:
Marshall, O'Toole, Gerstein, Murray & ADDRESSE:
ADDRESSE:
Marshall, O'Toole, Gerstein, Murray & STRET: 233 South Wacker Drive, 6300 Sears Tower CITY:
CITY:
CLICAGO
STAFF: 111inois
COUNTRY:
United States of America
ZIP: 60606-6402
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.30
CURRENT APPLICATION NUMBER: US/08/944,368A
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Sequence 25, Application US/08944368A
Patent No. 6228368
GENERAL INFORMATION:
APPLICANT: GISSMan, et al.
TITLE OF INVENTION: Papilloma Virus Capsomere Vaccir
TITLE OF INVENTION: Pomilations and Methods of Use
                                                                                                                                                ATTORNEY/AGENT INFORMATION:

NAME: Sandercock, Colin G.

REGISTRATION NUMBER: 31,298

REFERENCE/DOCKET NUMBER: 37067/102

TELECOMMUNICATION INFORMATION:

TELEPRA: (202) 672-5300

TELEPRA: (202) 672-5309

INFORMATION FOR SEQ ID NO: 24:

SEQUENCE CHARACTERISTICS:
APPLICATION NUMBER: US/09/820,764
FILING DATE: 30-Mar-2001
CLASSIFICATION: <Unknown>
                                                                                                                                                                                                                                                                                                                                                                                      LENGTH: 36 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: other nucleic acid
DESCRIPTION: /desc = "Primer"
SEQUENCE DESCRIPTION: SEQ ID NO: 24:
                                                                                                     APPLICATION NUMBER: US 09/026,896
FILING DATE: 20-FEB-1998
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ATTORNEY/AGENT INFORMATION:
NAME: WILLIAME JT., JOSEPH A.
REGISTRATION NUMBER: 38,659
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     REFERENCE/DOCKET NUMBER: 27
TELECOMMUNICATION INFORMATION:
TELEPHONE: 312-474-6300
                                                                                PRIOR APPLICATION DATA:
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Best Local Similarity 100.
Matches 11, Conservative
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STRANDEDNESS:
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Patent No. 6352696
GENERAL INFORMATION:
APPLICANT: BURGER, Alexander
APPLICANT: BURGER, Michael
TITLE OF INVENTION: PAPILLOWA VIRUS CAPSOMERE VACCINE
FORMULATIONS AND METHODS OF USE
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  55.0%; Score 11; DB 4; Length 36; 100.0%; Pred. No. 4.8e+02;
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COUNTRY: U.S.A.
ZIP: 2007-51007
COMPUTRY: READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTRR: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
                                                                                                  APPLICANT: Gissman, et al. TITLE OF INVENTION: Papilloma Virus Capsomere Vaccine TITLE OF INVENTION: Formulations and Methods of Use
                                                                                                                                                                                                                                                                                                        CITY: Chicago STATE: 11linois COUNTY: United States of America COUNTY: United States of America COUNTY: United States of America COMPUTER READABLE FORM: MEDIUM TYPE: Floppy disk COMPUTER: Floppy disk COMPUTER: Ploppy disk COMPUTER: ParentIn Release #1.0, Version #1.30 CURRAIT APPLICATION NUMBER: US/08/944,368A FILING DATE:
                                                                                                                                                                                   NUMBER OF SEQUENCES: 28
CORRESPONDENCE ADDRESS:
ADDRESSEE: Marshall, O'Toole, Gerstein, Murray & ADDRESSEE: Borun
                                                                                                                                                                                                                                                                                           STREET: 233 South Wacker Drive, 6300 Sears Tower
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    0; Mismatches
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ADDRESSEE: FOLEY & LARDNER
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     US-08-944-368A-24/c; Sequence 24, Application US/08944368A; Patent No. 6228368
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         CLASSIFICATION: 424
ATTORNEY/AGENT INPORMATION:
NAME: Williams Jr., Joseph A.
REGISTRATION NUMBER: 38,659
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      REFERENCE/DOCKET NUMBER: 27
FELECOMMUNICATION INFORMATION:
TELEPHONE: 312-474-6300
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Matches 11; Conservative
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               TYPE: nucleic acid
STRANDEDNESS: single
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Best Local Similarity
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                                                                             GENERAL INFORMATION:
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US-09-820-764-24/c
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                                                                                                                                                                                                                                                                                                                                                                                                                                                  FORMULATIONS AND METHODS OF USE
CORRESPONDENCE ADDRESS:
ADDRESSE: FOLEY & LARDNER
STREET: 3000 K Street, N.W.
CITY: Washington
CITY: Washington
CITY: Washington
COUNTRY: U.S.A.
ZIP: 20007-5109
COMPUTER READBLE: FORM:
MEDIUW TYPE: Floppy disk
COMPUTER: IBM PC compatible
COMPUTER: IBM PC compatible
COMPUTER: IBM PC compatible
OPERATION SYSTEM: PC-DOS/MS-DOS
OFFWARE: Patentin Release #1.0, Version #1.30
CURRENT APPLICATION NATA:
APPLICATION NUMBER: US/09/820,764
FILING DATE: 30-AMT-2001
CLASSIFICATION NUMBER: US/09/820,764
FILING DATE: 30-AMT-2001
CLASSIFICATION NUMBER: US/09/820,764
FILING DATE: 20-FEB-1998
ATTORNEY/AGENT INFORMATION:
NAME: SanderCock, Colin G.
REGISCRATION NUMBER: 31,298
REFERENCE/DOCKET NUMBER: 31,298
REFERENCE/DOCKET NUMBER: 31,298
TELERPAX: (202) 672-5399
                                                                                                                                                                                                                                                                                           Sequence 25, Application US/09820764
Patent No. 6352696
GENERAL INFORMATION:
APPLICANT: BURGER, Alexander
HALLER, Michael
TITLE OF INVENTION: PAPILLOMA VIRUS CAPSOMERE VACCINE
FORMULATIONS AND METHODS OF USE
                                           Query Match 55.0%; Score 11; DB 4; Length 38; Best Local Similarity 100.0%; Pred. No. 4.8e+02; Matches 11; Conservative 0; Mismatches 0; Indels
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MOLECULE TYPE: other nucleic acid

DESCRIPTION: /desc = "Primer"

SEQUENCE DESCRIPTION: SEQ ID NO: 25:
US-09-820-764-25
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        LENGTH: 38 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            TELEFAX: (202) 672-5
INFORMATION FOR SEQ ID NO: 25:
SEQUENCE CHARACTERISTICS:
                                                                                                                                                                     36 GACAGAGCCCA 26
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US-09-820-764-25/c
US-08-944-368A-25
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aac(3/)-IIb resist
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Human biallelic ma
aac(3')-IIb resist
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                  Oligonucleotide
Oligonucleotide
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              RNA component; human telomerase; antisense oligonucleotide; infection; neuroblastoma; bladder cancer; colon cancer; prostate cancer; contraception; sterilisation; immunosuppression; therapeutic; hTR; immune system down-regulation; anti-inflammatory therapy; ss
                                                                                                                                                                                                                            Primer #106
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            RNA component of human telomerase (hTR) antisense oligo 16ab.
                                                                                                                                                                                                                                                                                                                                                                                              ALIGNMENTS
                                                                                                                                                              AAF95841
ABA91189
AAH01361
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AAF64166
ABQ02284
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AAQ36192
AAN97152
AAN94234
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AAZ60622
AAQ91372
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ABH33141
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AAD05954
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AAZ48194
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96US-0770565.
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(GERO-) GERON CORP.
Homo sapiens
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         19-DEC-1997;
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20-DEC-1996;
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AAV41173;
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RNA component of h
PCR primer hTR S12
Mouse Elf-1 revers
Human chromosome 1
Rye mircrosatellit
S. cereale microsa
PCR primer used to
Human silent SNP c
                                                                   June 22, 2003, 18:09:32 ; Search time 132.908 Seconds (without alignments) 338.880 Million cell updates/sec
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| SIDSZ/gcgdata/geneseq/geneseqn-embl/NA1981.DAT:*
| SIDSZ/gcgdata/geneseqg-embseqn-embl/NA1981.DAT:*
| SIDSZ/gcgdata/geneseqg-embseqn-embl/NA1981.DAT:*
| SIDSZ/gcgdata/geneseqg-embseqn-embl/NA1981.DAT:*
| SIDSZ/gcgdata/geneseqg-embseqn-embl/NA1985.DAT:*
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| SIDSZ/gcgdata/geneseqg/geneseqn-embl/NA2001.DAT:*
| SIDSZ/gcgdata/geneseqg/geneseqn-embl/NA2001.DAT:*
| SIDSZ/gcgdata/geneseqg/geneseqn-embl/NA2001.DAT:*
| SIDSZ/gcgdata/geneseqg/geneseqg-embl/NA2001.DAT:*
| SIDSZ/gcgdata/geneseqg/geneseqg-embl/NA2001.DAT:*
| SIDSZ/gcgdata/geneseqg/geneseqg-embl/NA2001.DAT:*
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| SIDSZ/gcgdata/geneseqg/geneseqg-embl/NA2001.DAT:*
| SIDSZ/gcgdata/geneseqg/geneseqg-embl/NA2001.DAT:*
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         5.1.6
Compugen Ltd
                                                                                                                                                                                                                            chosen parameters:
                                                                                                                                                                                  2185239 seqs, 1125999159 residues
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 SUMMARIES
         GenCore version
Copyright (c) 1993 - 2003
                                                                                                                                                                                                                                                                              Post-processing: Listing first 45 summaries
                                                nucleic search, using sw model
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    AAV41173
AAV41172
AAX77131
AAA61649
ABL43397
AAZ36927
AAX36927
AAX36173
                                                                                                                                CTGACAGAGCCCAACTCTTC 20
                                                                                                                                                    OLIGO_NUC
Gapop_60.0 , Gapext 60.0
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20
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22224
422224
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Match 1
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Weinrich SL,

Pruzan R,

Kealey JT, Kim NW, WPI; 1998-377670/32

004421111

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Result No.

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Sequences shown in AAV41169 to AAV41181 represent antisense
cligonuclectides to the RNA component of human telomerase (RTR). These
antisense oligonuclectides specifically hybridise to a nucleotide
sequence within an accessible region of the hTR, but that does not
component of a sequence within the template region of hTR. These
cligonuclectides may specifically be used for detection of an RNA
component of human telomerase in a sample. This is useful for diagnosing
cancer (especially neuroblastoma, bladder, colon and prostate cancer),
and providing prognosis for a cancer patient. The inhibitors
cancer (especially neuroblastoma, bladder, colon and prostate cancer),
oligonuclectides can inhibit the telomerase activity level in a cell by
interfering with transcription of the RNA component, decreasing the
half-life of the telomerase RNA component transcripting sesembly
of the RNA component into the telomerase holoenzyme, or inhibiting the
polymerase activity of telomerase. These antisense oligonuclectides can
be used for inhibiting telomerase activity; in both cultured cells and in
cells in vivo. They can be used in therapeutics for treating or
immunosuppression, and for selectively down-requiring specific branches
of the immune system, e.g. a specific subset of T-cells, in
anti-inflammatory therapies or for treating infections by, e.g. yeast,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            component; human telomerase; antisense oligonucleotide; infection;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               neuroblastoma; bladder cancer; colon cancer; prostate cancer; contraception; sterilisation; immunosuppression; therapeutic; hTR; immune system down-regulation; anti-inflammatory therapy; ss.
              New polynucleotide(s) anti:sense to human telomerase - used for detecting or inhibiting human telomerase, e.g. for treating cancers, contraception, immuno-suppression or treating infection
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              100.0%; Score 20; DB 19; Length 20; 100.0%; Pred. No. 0.024; cive 0; Mismatches 0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   RNA component of human telomerase (hTR) antisense oligo 16.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Wu F;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Sequence 20 BP; 5 A; 8 C; 3 G; 4 T; 0 other;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   CTGACAGAGCCCAACTCTTC 20
                                                                                              65; 80pp; English
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Kim NW, Pruzan R,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  AAV41172 standard; DNA; 30 BP.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        96US-0770565.
96US-0770564.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     20; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              WPI; 1998-377670/32
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      parasites or fungi.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Query Match
Best Local Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                (GERO-) GERON CORP.
                                                                                              Claim 11; Page
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Homo sapiens.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 19-DEC-1997;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       WO9828442-A1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        20-DEC-1996;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                08-OCT-1998
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Kealey JT,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Synthetic.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           AAV41172;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Matches
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Sequences shown in AAV41169 to AAV41181 represent antisense
cligonucleotides to the RNA component of human telomerase (hTR). These
antisense oligonucleotides specifically hybridise to a nucleotide
cantisense oligonucleotides specifically by the that does not
compound thin an accessible region of the hTR, but that does not
component of human telomerase in a sample. This is useful for diagnosing
conformation of an RNA
component of human telomerase in a sample. This is useful for diagnosing
cancer (especially neuroblastoma, bladder, colon and prostate cancer),
component of human telomerase in a sample. This is useful for diagnosing
cancer (especially neuroblastoma, bladder, colon and prostate cancer),
component of human telomerase activity level in a cell by
interfering with transcription of the RNA component, decreasing the
conformation of the telomerase RNA component transcript, inhibiting the
collishing telomerase RNA component transcript, inhibiting the
collishing telomerase activity in both cultured cells and in
cells in vivo. They can be used in therapeutics for treating or
cells in vivo. They can be used in therapeutics for treating or
cells in vivo. They can be used in therapeutics for treating or
cells in vivo. They can be used in therapeutics for treating or
cells in vivo. How can be used in therapeutics for treating or
cells in vivo. How can be used in the saperities and in
cells in vivo. They can be used in the saperities subset of T-cells, in
cells in the immune system, e.g. a specific subset of T-cells, in
cantiliamatory therapies or for treating infections by, e.g. yeast,
corporating cancer, for contraception or sterilisation, for
cantiliamatory therapies or for treating infections by, e.g. yeast,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     modulator; GC6 gene; senescent gene expression;
                              detecting or inhibiting human telomerase, e.g. for treating cancers, contraception, immuno-suppression or treating infection
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               .;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 New human GC6 gene, useful for identifying agents for treating diseases and/or conditions associated with cell senescence
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 100.0%; Score 20; DB 19; Length 30; 100.0%; Pred. No. 0.024; ive 0; Mismatches 0; Indels
New polynucleotide(s) anti:sense to human telomerase detecting or inhibiting human telomerase.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Sequence 30 BP; 6 A; 10 C; 9 G; 5 T; 0 other;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Example 5; Page 74; 79pp; English
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          20
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           CTGACAGAGCCCAACTCTTC 20
                                                                                              Claim 11; Page 65; 80pp; English.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        1 CTGACAGAGCCCAACTCTTC
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  AAX77131/c
ID AAX77131 standard; DNA; 26 BP.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           pGC6; human; PCR primer; ss
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        (first entry)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        WPI; 1999-347496/29.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              PCR primer hTR S328.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Local Similarity
ses 20; Conserv
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           WO9925878-A2
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               AAX77131;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Query Match
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Gaps

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Indels

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Pred. No. 69; Mismatches

100.0%; Pre

14; Conservative

Matches

Best Local Similarity

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senescence. Recombinant expression vectors comprising a recombinant polymucleotide corresponding to a polymucleotide in a human GG gene, are useful for altering senescent gene expression. The vectors and host cells comprising the protein gene expression. The polymucleotides are useful for modulate senescent gene expression. The polymucleotides are useful for producing the protein, gGG and mucleic acid derivatives. The proteins encoded are useful for raising antibodies specific for pGG6, which are useful for raising antibodies specific comprising pGG6 in complex cell mixtures. The characterization of the polymucleotides enable the identification of therapeutic agents that identify and distinguish between young and senescent cells. This enables treatment of aging diseases induced or exacerbated by cellular senescence.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 The invention relates to three polymorphic variants of a rat transcriptional regulatory factor Elf-1 (AAB03199-B03192) and nucleic acids encoding them (AAA61645-A61647). The invention also encompasses the use of Elf-1 for regulating the transcription of a gene in an expression vector. The CDNA encoding rat Elf-1 variant #1 (AAA61645) was isolated using PCR primers (AAA61648-A61649) based on mouse Elf-1 CDNA, and the rat Elf-1 variant #2 and 3# CDNAs (AAA61646-A61647) were subsequently isolated. The Elf-1 CDNA and protein sequences are potentially useful for the prevention and treatment of immunological and allergic diseases mediated by Elf-1. Sequences AAA61648-A61649 represent mouse Elf-1 variant #1 cDNA.
  invention relates to methods for modulating and identifying cellular
                                                                                                                                                                                                                                                                                                                                                               Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         A transcription regulating factor Elf-1 cDNA and its polymorphism
                                                                                                                                                                                                                                                                                                                                                                 ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Elf-1; mouse; transcriptional regulatory factor; rat; polymorphic variant; immunological disease; allergic disease; PCR primer; 88.
                                                                                                                                                                                                                                                                                                                 70.0%; Score 14; DB 20; Length 26;
                                                                                                                                                                                                                                                                                                                                                               Indels
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                                                                                                                                                                                                                                                                                                                                        Best Local Similarity 100.0%; Pred. No. 69;
Matches 14; Conservative 0; Mismatches
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Mouse Elf-1 reverse PCR primer.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             AAA61649 standard; DNA; 30 BP.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             98JP-0309595
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70.0%; Score 14; DB 21; Length 30;

Sequence 30 BP; 9 A; 4 C; 7 G; 10 T; 0 other;

Query Match

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The present invention describes a method of arraying genome clones. The method comprises: (a) clones of the genomic libraries contained in multiwell plates numbered for discrimination are mixed in each of the multiwell plates; (b) a primer designed based on the chromosome marker sequence is added to the mixture to carry out an amplification reaction; (c) a signal orresponding to the marker is detected from the resultant plates containing the clones having said marker sequence; (d) the order of the markers is changed so that the same discrimination Nos. of the multiwell plates; (e) the clones in the multiwell plates of the specified discrimination Nos. corrected to the maximum in the specified discrimination Nos. to array the multiwell plates; (e) the clones in the multiwell plates of the specified discrimination Nos. are mixed respectively in each wells of longitudinal cresultant cultures are amplified by using the above primer; (g) signals resultant cultures are amplified products; (h) the clones in the multiwell plates are specified from the detected result; and (i) the clones are reconstituted as the positions on the chromosome and arrayed. The mixed for microarray is useful for gene analysis. ABM45357 to ABM45322 represent
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              PCR primers for human chromosome 1p36-35 DNA, and ABL45323 to ABL45634 represent PCR primers for human chromosome 21q22.1, which are specifically claimed for use in the present invention.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Gaps
                                                                                                                                                                                                                                                                                          Human; chromosome 1p36-35; chromosome 21q22.1; genetic analysis;
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                                                                                                                                                                                                                                                    Human chromosome 1p36-35 PCR primer SEQ ID NO:441.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Claim 4; Page 13; 528pp; Japanese.
                                                                                                                                     ВЪ.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        10-MAR-2000; 2000JP-0066716.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                    12-MAR-2001; 2001JP-0068285.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               (RIKA ) RIKAGAKU KENKYUSHO. (GENO-) GENOTEX YG.
                                                                                                                                 ABL43397 standard; DNA; 20
6 AGAGCCCAACTCTT 19
                                                                                                                                                                                                             11-APR-2002 (first entry)
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Matches 12; Conservative
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Arraying genome clones
                                                                                                                                                                                                                                                                                                            genome, PCR primer; ss.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       WPI; 2002-144136/19.
                                                                                                                                                                                                                                                                                                                                                                                       JP2001321190-A.
                                                                                                                                                                                                                                                                                                                                                   Homo sapiens.
                                                                                                                                                                                                                                                                                                                                                                                                                                20-NOV-2001.
                                                                                                                                                                       ABL43397;
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                                                                                            RESULT 5
ABL43397
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AAZ23852

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This invention describes Secale cereale microsatellite markers based on hypervariable genomic segments of Secale cereale and plants of the tribes Triticeae and Poeae. The Microsatellite markers comprise a simple sequence repeat (SSR) marker as sequence tag site (STS), defined by two specific S. cereale defined primers, of mean length 18-26 bases and flanking the microsatellite sequence (MSS). Such markers are useful for genetic analysis of trye, triticale and other species of the tribes. Triticeae and Poeae, e.g. for DNA fingerprinting; identification of varieties; detecting self or cross fertilization; studying similarity and relatedness; characterization of cytological lines, or generally any can relatedness; characterization of cytological lines, or generally any can marking of mono- or poly-genic traits, selection and evaluation of varietal purity or checking culture stages (particularly in hybrid culture methods), purity of propagative materials, success of culture methods), purity of propagative materials, success of culture and hybrids. AAX36902-X36965 represent.PCR primers used in the method of the
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Intercellular adhesion molecule 6; ICAM-6; drug screening; therapy; intercellular adhesion; inflammatory process; PCR primer; ss.
                                                                                                                                                                                                                                                                                                                                                                                                                                                              Microsatellite markers derived from the genome of rye, useful for genetic mapping as markers of monogenic or polygenic traits
detection; cross fertilization; cytological line; gene mapping; monogenic trait; polygenic trait; ss.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            PCR primer used to amplify a fragment of ICAM-6 nucleic acid.
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                                                                                                                                                                                                                                                                                                                               (GVSE-) GVS GES ERWERB & VERWERTUNG LANDWIRTSCHA.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Sequence 21 BP; 4 A; 7 C; 4 G; 6 T; 0 other;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 100.0%; Prec. ...
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Claim 6; Page 16; 28pp; German.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          AAX36173 standard; DNA; 24 BP.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            60.0%;
                                                                                                                                                                                                                                                                                 97DE-1043671.
                                                                                                                                                                                                                                      98DE-1035109
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 15-JUL-1999 (first entry)
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            8 AGCCCAACTCTT 19
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     1 AGCCCAACTCTT 12
                                                                                                                                                                                                                                                                                                                                                                                                                      WPI; 1999-245522/21.
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                                                                                                  Secale cereale.
                                                                                                                                             DE19835109-A1
                                                                                                                                                                                                                                                                                    02-OCT-1997;
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                                                                                                                                                                                        15-APR-1999,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Synthetic.
                                                                          Synthetic
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               invention
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Query Match
                                                                                                                                                                                                                                                                                                                                                                             Saal B,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Matches
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AAX36173
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 This invention describes novel microsatellite markers (MSM), based on the hypervariable genomic regions of rye (Secale cereale) and of plants from the tribes Triliceae and Poese. MSM, which are new genetic markers for rye and closely related species, are used for genetic analysis and in breeding programs. Typical applications are in DNA fingerprinting; identification of varieties; detection of self and cross pollination; characterization of cytoplasmic lines, and genetic mapping (of mono- or poly-genic traits). MSM show a higher degree of polymorphism than known markers (both within and between different rye varieties and lines); can
                                                                                                                                                                                                                                      Microsatellite marker; rye; hypervariable genomic region; Poeae;
Triticeae; breeding program; DNA fingerprinting; variety; detection;
self pollination; cross pollination; cytoplasmic line; genetic mapping;
polymorphism; PCR primer; se
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Microsatellite, marker; PCR primer; rye; plant; Triticeae; Poeae; simple sequence repeat; SSR; sequence tag site; STS; genetic analysis; DNA fingerprinting; variety identification; self fertilization;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             be detected by polymerase chain reaction, so that even very small samples may be analyzed, and generate many alleles per marker locus. AAZ23827-Z23886 represent the microsatellite marker PCR primers
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          New microsatellite markers for rye and closely related grasses, used
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          ö
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               (GVSE-) GVS GES ERWERB & VERW LANDWIRTSCHAFTLICH
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          S. cereale microsatellite marker PCR primer 26.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Seguence 21 BP; 4 A; 7 C; 4 G; 6 T; 0 other;
                                                                                                                                                                                             Rye mircrosatellite marker 13 PCR primer 2.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    llarity 100.0%; Pred. No. 9.6
Conservative 0; Mismatches
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               for genetic analysis and in breeding
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Claim 6; Page 27; 28pp; German.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      AAX36927 standard; DNA; 21 BP
                                                         AAZ23852 standard; DNA; 21 BP.
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ses 12; Conserv
                                                                                                                                                                                                                                                                                                                                                                                 Secale cereale.
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                                                                                                                                                  21-JAN-2000
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                                                                                                                                                                                                                                                                                                                                                         Synthetic
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Matches
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Gaps

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RESULT 7 AAX36927

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Length 21; Indels us-08-770-564a-6.oligo.rng

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30-NOV-1999; 99US-0168138.
29-NOV-2000; 2000US-0726173.
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                                                                                                                                                                                                                                                                                                                          AAI74549 standard; DNA; 46
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                                                                                                                                                                                                                          12; Conservative
                                                                                                                                                                                                                                               3 GACAGAGCCCAA 14
                                                                                                                                                                                                                                                                     GACAGAGCCCAA 17
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Leach M;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          (CURA-) CURAGEN CORP.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  WPI; 2001-356160/37.
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Best Local Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                           WO200140521-A2.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Shimkets RA,
                                                                                                                                                                                                                                                                                                                                                                                                                                                        Homo sapiens.
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                                                                                                                                                                                                                                                                     28
                                                                                                                                                                                                                                                                                                                                            AAI74549;
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                                                                                                                                                                                                                          Matches
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         AAI73060 to AAI79867 represent isolated human polymorphic polynucleotide sequences (I), which contain single nucleotide polymorphisms (SNPs). AAM53114 to AAM53129 represent peptides related to human polymorphic
                                                                                                                                                                                                                                                                                          Gaps
                                                                                                                                                       The specification describes an intercellular adhesion molecule (ICAM)-6 polypeptide. The ICAM-6 polypeptides and polymucleotides can be used for drug screening and developing products for therapy involving intercellular adhesion, e.g. in inflammatory processes. The products can also be used for detection, diagnosis and the production of transgenic animals. PCR primers AAX36170-73 were used
                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Human, single nucleotide polymorphism; SNP; genome; gene therapy,
protein therapy; vaccine; probe; diagnostic assay; detection;
quantitation; restorative therapy; polymorphic; ds.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Polymorphic nucleic acid sequences, useful in genetic testing and
                                                                                                                                                                                                                                                                                         ö
                                                                                                       New isolated intercellular adhesion molecule-6 used for, e.g. diagnosis of inflammatory processes
                                                                                                                                                                                                                                                                     Length 24;
                                                                                                                                                                                                                                                                                         Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                      Human silent SNP containing nucleic acid SEQ:1488.
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                                                                                                                                                                                                                                                                  Query Match
60.0%; Score 12; DB 20; I
Best Local Similarity 100.0%; Pred. No. 9.7e+02;
Matches 12; Conservative 0; Mismatches 0;
                                                                                                                                                                                                                                              Sequence 24 BP; 5 A; 5 C; 9 G; 5 T; 0 other;
                                                               Vazeau R;
                                                                                                                                      Example 15; Page 53; 102pp; English.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Claim 1; Page 509; 2653pp; English.
                                                                                                                                                                                                                         in the course of the invention.
                                                                                                                                                                                                                                                                                                                                                                                       AAI74547 standard; DNA; 43 BP.
98WO-US22442.
                     97US-0955661.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       30-NOV-1999; 99US-0168138.
29-NOV-2000; 2000US-0726173.
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                                                               Staunton DB,
                                                                                                                                                                                                                                                                                                                                                                                                                                 09-NOV-2001 (first entry)
                                                                                                                                                                                                                                                                                                              2 TGACAGAGCCCA 13
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                                                                                  WPI; 1999-288308/24.
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                                          (ICOS-) ICOS CORP.
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22-OCT-1998;
                     22-OCT-1997;
                                                               Loughney K,
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c polymucleotide sequences. The sequences are be used in gene and protein for chain and in vaccine production. (1) and the polypoptides encoded by the may be used at the vaccine production. (1) and the polypoptides encoded by the may be used at the polypoptides encoded by the may be used at the polypoptides encoded by the may be used at the polypoptides encoded by the catalyst of the polypoptides encoded by the polypoptides encoded by the complementary sequence expression of polymorphic polypoptides encoded by the complementary sequences may also be used as the protect in disposition of antibodias specific for polymorphic polypoptides. The complementary sequences may also be used as the production of antibodias specific for polymorphic polypoptides in the production of antibodias specific for polymorphic polypoptides. The the thickness are therefore which patients may be in need of restorative therespy. The polypoptides encoded by the man patient similarity includes specific for polymorphic polypoptides. The production of antibodias specific for polymorphic polypoptides. The production of antibodias specific for polymorphic polypoptides in the production of antibodias specific for polymorphic polymo
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polypeptides by expressing inactive proteins or to supplement the patients own production of polypeptide. Additionally, (I) and its complementary sequences may also be used as DNA probes in diagnostic assays to detect and quantitate the presence of similar nucleic acids in samples, and therefore which patients may be in need of restorative therapy. The polypeptides encoded by (I) may be used as antigens in the production of antibodies specific for polymorphic polypeptides. The antibodies may also be used as diagnostic agents for detecting the
                                                                                                                                                                                                                                                presence of polymorphic polypeptides in samples
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Sequence 46 BP; 10 A; 15 C; 6 G; 15 T; 0 other;

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Length 46;
                            0; Indels
DB 22; L
9.8e+02;
Query Match 60.0%; Score 12; DB Best Local Similarity 100.0%; Pred. No. 9.8 Matches 12; Conservative 0; Mismatches
                                                             14
                                                                                          28 GACAGAGCCCAA 17
                                                               3 GACAGAGCCCAA
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Gaps

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Construct pC2-m9#518 primer P-CC(4). AAA40237 standard; DNA; 50 02-NOV-2000 (first entry) AAA40237; RESULT 11 AAA40237

BP.

Factor VIII, light chain, LRP, gene therapy, antihemophilic, blood, low density lipoprotein receptor-related protein, coagulation disorder, thrombotic system, fibrinolytic system, primer, ss.

Unidentified

WO200028021-A1

18-MAY-2000

99WO-AT00272 10-NOV-1999; 98AT-0001872 10-NOV-1998;

(BAXT) BAXTER AG.

Pannekoek H, Mertens K, Lenting PJ, Van Mourik JA, Schwarz H, Scheiflinger F;

Turecek P;

WPI; 2000-376538/32

New modified form of factor VIII, useful for treating hemophilia, has altered binding to low density lipoprotein-related protein, resulting in extended in vivo half-life

Example XI; Page 35; 57pp; German.

This invention describes a novel factor VIII polypeptide (I) with factor VIII:C activity which has a modification in at least one of the A3, C1 and/or C2 domains of the light chain that modifies binding affinity to low density lipoprotein receptor-related protein (LRP). Independent claims are also included for the following: (1) DNA (II) that encodes (I); (2) an expression vector containing (II); (3) transformed cells and their descendants containing (II); (4) recombinant production of (I) by culturing cells of (C); and (5) pharmaceutical composition containing a factor VIII molecule (Ia) with factor VIII:C activity plus an LRP antagonist (III). The products of the invention have antihemophilic activity. (I) has reduced affinity for LRP, a receptor involved in clearance of factor VIII from the blood. (I), optionally formulated with an antagonist of LRP, is used for treatment of coagulation disorders, specifically hemophilia A. It may also be used to treat subjects with

Seguence 13 BP; 3 A; 1 C; 6 G; 3 T; 0 other;

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This invention describes novel oligonucleotide primers or peptide nucleic acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP) and cytosine methylation status in chemically pretreated genomic DNA. The oligomucleotides are used for diagnosis and/or prognosis of cancer and a range of diseases including immune system, gastrointestinal, respiratory, cardiovascular and metabolic disorders. The oligomers are also used for detecting cell type differentiation. ABC00010-ABC99989, ABF00010-ABF99899, ABH00010-ABH99989 and ABI0010-ABH82073 represent the oligomers described in the invention. NOTE: The sequence data for this patent did not form part of the printed specification, but was obtained in electronic format from WIPO at ftp.wipo.int/pub/published_pct_sequences.
                                                                                                                                                                                                                                                                                                ö
          during or after surgery. Nucleic acid that encodes (i) can be used similarly in gene therapy. The light chain modifications reduce clearance of factor vIII protein from the blood, resulting in longer in vivo half-life (particularly at least 90% greater than wild type) and increased stability, in vivo or in vitro. The modifications do not adversely affect procoagulant activity. This sequence represents a primer used in the construction of the plasmid pC2-m%#518 which contains the Pactor VIII light chain C2 region which is described in the method of the
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS; peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss; central nervous system; gastrointestinal; respiratory; immune; metabolic.
                                                                                                                                                                                                                                                                                                Gaps
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of the thrombotic or fibrinolytic systems, e.g. before,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Set of oligonucleotides, useful for diagnosis and cell typing, i designed to detect single nucleotide polymorphisms and cytosine
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Oligonucleotide SEQ ID NO 103251 for detecting SNP TSC0025831.
                                                                                                                                                                                                                                                       Length 50;
                                                                                                                                                                                                                                                                                            0; Indels
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                                                                                                                                                                                                                                                     60.0%; Score 12; DB 21; L
100.0%; Pred. No. 9.8e+02;
ive 0; Mismatches 0;
                                                                                                                                                                                                                Sequence 50 BP; 11 A; 16 C; 15 G; 8 T; 0 other;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                              ВР.
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ABF03254/c
ID ABF03254 standard; DNA; 13
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Best Local Similarity 100.
Matches 12; Conservative
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                                                                                                                                                                                                                                                                                                                                                                             31 GAGCCCAACTCT 42
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                                                                                                                                                                               invention.
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Best Loc Matches

RESULT 13 **ABF0325**

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This invention describes novel oligonucleotide primers or peptide nucleic acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP) and cytosine methylation status in chemically pretreated genomic DNA. The oligonucleotides are used for diagnosis and/or prognosis of cancer and a range of diseases including immune system, gastrointestinal, respiratory, central nervous system, cardiovascular and metabolic disorders. The oligomers are also used for detecting cell type differentiation.

ABC00010-ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and
                                                                                                                              SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS; peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss; central nervous system; gastrointestinal; respiratory; immune; metabolic.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              ABI00010-ABI82073 represent the oligomers described in the invention. NOTE: The sequence data for this patent did not form part of the printed specification, but was obtained in electronic format from WIPO at ftp.wipo.int/pub/published_pct_sequences.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              set of oligonucleotides, useful for diagnosis and cell typing, i designed to detect single nucleotide polymorphisms and cytosine methylation status
                                                                                      Oligonucleotide SEQ ID NO 233117 for detecting SNP TSC0000563.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Oligonucleotide SEQ ID NO 233118 for detecting SNP TSC0000563.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Claim 1; SEQ ID 233117; 29pp + Sequence Listing; German.
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                                            (first entry)
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      ABH33140;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             This invention describes novel oligonucleotide primers or peptide nucleic acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP) and cytoslie methylation status in chemically pretreated genomic DNA. The oligonucleotides are used for diagnosis and/or prognosis of cancer and a cantral nervous system, cardiovascular and metabolic disorders. The oligomers are also used for detecting cell type differentiation. ABC00010-ABC99999, ABF00010-ABH99999 and ABL00010-ABR82073 represent the oligomers described in the invention. NOTE: The sequence data for this patent did not form part of the printed specification, but was obtained in electronic format from WIPO at
                                                                                                                                                                                                                                                                                                                                                                                                      SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS; peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss; central nervous system; gastrointestinal; respiratory; immune; metabolic.
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      Length 13;
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55.0%; Score 11; DB 23; I 100.0%; Pred. No. 3.6e+03;
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                                          11; Conservative
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Query Match
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RESULT 14 ABH33140/c

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06-APR-2001; 2001WO-IB00713.
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Set of oligonucleotides, useful for diagnosis and cell typing, is designed to detect single nucleotide polymorphisms and cytosine methylation status
                                                                Olek A, Piepenbrock C,
(EPIG-) EPIGENOMICS AG.
                                                                                                                                WPI; 2001-657177/75
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Berlin K;

This invention describes novel oligonucleotide primers or peptide nucleic acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP) and cytosine methylation status in chemically pretreated genomic DNA. The oligonucleotides are used for diagnosis and/or prognosis of cancer and a range of diseases including immune system, gastrointestinal, respiratory, central nervous system, cardiovascular and metabolic disorders. The oligomers are also used for detecting cell type differentiation. ABC0010-ABE09989, ABF0010-ABE09989 and ABI00010-ABE09998 and ABI00010-ABE09073 represent the oligomers described in the invention. NOTE: The sequence data for this patent did not form part of the printed specification, but was obtained in electronic format from WIPPO at Claim 1, SEQ ID 233118; 29pp + Sequence Listing, German. ftp.wipo.int/pub/published_pct_sequences.

Query Match 55.0%; Score 11; DB 23; Length 13; Best Local Similarity 100.0%; Pred. No. 3.6e+03; Matches 11; Conservative 0; Mismatches 0; Indels Sequence 13 BP; 3 A; 6 C; 0.G; 4 T; 0 other;

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Search completed: June 23, 2003, 05:43:36 Job time : 133.216 secs

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Run on:

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AZ990764 2M0274F09
BH848229 SALK 0676
AZ804299 2M0065B17
AZ458346 1M0262P13
AZ466857 1M0315D23
AZ85686 2M0161A03
AV962684 AV952684
N72637 yv73h10.r1
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1M0134P22F Mouse 10kb plasmid UUGC1M library Mus musculus genomic clone UUGC1M0134P22 F, DNA sequence.
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AI309096 tb57g10.x
AZ653181 1M0526B14
AU104061 AU104061
AU106667 AU106667
AU106839 AU106839
         AI647975 uk38f04.x
AZ939438 ZM0198I21
AZ412468 1M0185M20
AZ310102 1M0018D24
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                                                 BG423450 602449304
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BJ063841 BJ063841
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AZ331549 1M0059K02
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AZ852116 2M0154M12
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BI549792 603194528
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Dunn, D., Aoyagi, A., Barber, M., Beacorn, T., Duval, B., Hamil, C., M., Rose, M., Rose, M., Menen, E., Pedersen, T., Reilly, M., Rose, M., Rose, R., Stokes, R., Tingey, A., von Niederhausern, A. and Wright, D., Weiss, R.
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T89869 yd99e12.81
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Context: Robert B. Weiss
University of Utah Genome Center
University of Utah
University of Utah
Rm. 308, Biomedical Polymers Research Bld
84112, USA
Tel: 801 585 5606
Tex: 801 585 7177
Email: ddunn@genetics.utah.edu
Insert Length: 10000 Std Brror: 0.00
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                AZ412468
AZ412468
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BJ063841
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AZ309736
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Unpublished (2000)
Mus musculus
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AZ379320
RESULT 1
AZ379320/c
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KEYWORDS
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ORGANISM
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COMMENT
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AUTHORS
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AZ781467 2M0019F23
A2393281 1M0156H13
A2309564 1M0016E09
BES36289 601062681
A1687266 tp94d10.x
                                                         June 23, 2003, 04:47:09; Search time 1031.16 Seconds (without alignments) 314.123 Million cell updates/sec
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        GenCore version 5.1.6
(c) 1993 - 2003 Compugen Ltd.
                                                                                                                                                            16154066 segs, 8097743376 residues
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Word size :

Searched:

Sequence:

Database :

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Result

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Seg primer: CACACAGGAAACAGCTATGACC
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KEYWORDS
SOURCE
ORGANISM
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                                                            FEATURES
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                                                                                                                                                                                                21 bp DNA linear GSS 16-FEB-2001
2MO019F23R Mouse 10kb plasmid UUGC1M library Mus musculus genomic
clone UUGC2M0019F23 R, DNA sequence.
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Bunn, D., Aoyagi, A., Barber, M., Beacorn, T., Duval, B., Hamil, C., Islam, H., Longacre, S., Mahmoud, M., Meenen, E., Pedersen, T., Reilly, M., Rose, M., Rose, R., Stokes, R., Tingey, A., von Niederhausern, A. Mouse whole genome scaffolding with paired end reads from 10kb plasmid inserts
                                                                                                                                                                                      lab_host="E. Coli strain XL10-Gold, T1-resistant, F-"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      0; Gaps
                                                                                                                                        clone="UUGC1M0134P22"
clone lib="Mouse 10kb plasmid UUGC1M library"
sex="Wale"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  60.0%; Score 12; DB 17; Length 46; 100.0%; Pred. No. 3.6e+03; ive 0; Mismatches 0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Smail: ddunn@genetics.utah.edu
Insert Length: 10000 Std Error: 0.00
Plate: 0134 row: P column: 22
Seg primer: CGTTGTAAAACGACGGCCAGT
Class: plasmid ends
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University of Utah Genome Center
University of Utah
                                                                                           'organism="Mus musculus"
                                                                                                                         xref="taxon:10090"
                                               High quality sequence stop: 46.
                                                              Location/Qualifiers
                                                                                                              strain="C57BL/61"
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Best Local Similarity 100.
Matches 12; Conservative
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Fax: 801 585 7177
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(http://www.jax.org/resources/documents/dnares/). The DNA was hydrodynamically sheared by repeated passage through a 0.005 inch orifice at constant velocity. The sheared DNA was blunt end-repaired with T4 DNA polymerase and T4 polymucleotide kinase. Adaptor oligonucleotides were ligated to the blunt ends in high molar excess. The adaptored DNA was purified and size-selected for a 9.5 to 10.5 kb range using preparative agarose gel electrophoresis. Vector DNA was prepared from a derivative of pwdet (gil 4732114 [gb] AR129072.1); a copy-number inducible derivative of plasmid R1. The vector was ligated with adaptors complementary to the insert adaptors and purified. The sheared, adaptored mouse DNA was annealed to
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Dunn, D., Aogai, A., Barber, M., Beacorn, T., Duval, B., Hamil, C., Islam, H., Longagren, S., Mahmoud, M., Menen, E., Pedersen, T., Reilly, M., Rose, M., Rose, R., Stokes, R., Tingey, A., von Niederhausern, A. and Wright, D., Weiss, R.
Mouse whole genome scaffolding with paired end reads from 10kb plasmid inserts
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        adaptored vector DNA, and transformed into chemically-competent B. coli XL10-Gold (Stratagene) cells and selected for ampicillin resistance. " 12~9~5~\rm t
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University of Utah Genome Center
University of Utah
Rm. 308, Biomedical Polymers Research Bldg., 20 S. 2030 E., SLC,
84112, USA
                                                                                                                                                                                                                                                                                                                                                 /lab host="E. Coli strain XLIO-Gold, Tl-resistant, F-"
/note="Vector: PWD42nv; Purified genomic DNA from M.
musculus C57BL/GJ (male) was obtained from the Jackson
Laboratory Mouse DNA Resource
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                                                                                                                                                                                                                /db_xref="taxon:10090"
/clone="UUGC2M0019F23"
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/sex="Male"
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Fax: 801 585 7177
Tabal: ddunn@genetics.utah.edu
Insert Length: 10000 Std Error: 0.00
                                                                                                                                           /organism="Mus musculus"
/strain="C57BL/6J"
Class: plasmid ends
High quality sequence stop: 21.
Location/Qualifiers
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(http://www.jax.org/resources/documents/dnares/). The DNA was hydrodynamically sheared by repeated passage through a 0.005 inch orifice at constant velocity. The sheared DNA was blunt end-repaired with T4 DNA polymerase and T4 polymucleotide kinase. Adaptor oligonucleotides were ligated to the blunt ends in high molar excess. The adaptored DNA was purified and size-selected for a 9.5 to 10.5 kb range using preparative agarose gelectrophoresis. Vector DNA was prepared from a derivative of pMQ2 (gi|4732114|gb|AR129072.1), a copy-number inducible derivative of plasmid R1. The vector was ligated with adaptors complementary to the insert adaptors and purified. The sheared, adaptored mouse DNA was annealed to adaptored vector DNA, and transformed into chemically-competent E. coli XL10-Gold (Stratagene) cells and selected for ampicillin resistance."
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1 (Dases 1 to 47)

NIH-MGC http://mgc.nci.nih.gov/.

Nith-MGC http://mgc.nci.nih.gov/.

Unpublished (1999)

Contact: Robert Strausberg, Ph.D.
                                                                                                                                                                                                                                                                                                                  /lab_host="E. Coli strain XLIO-Gold, Tl-resistant, F-"
/note="Vector: PWD42Iv; Purified genomic DNA from M.
musculus C57BL/6J (male) was obtained from the Jackson
Laboratory Mouse DNA Resource
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Tissue Procurement: ArCC
cDNA Library Preparation: Life Technologies, Inc.
cDNA Library Arrayed by: Incyte Genomics, Inc.
DNA Sequencing by: Incyte Genomics, Inc.
Clone distribution: MGC clone distribution information can be found through the I.M.A.G.B. Consortium/LLNL at:
http://imaga.llnl.gov. a column: 22
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                                                                                                                                                                       /strain="C57BL/6J"
/db_xref="taxon:10090"
/clone="UUGC1M0016E09"
/sex="Male"
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  Plate: 0016 row: E column: 09
Seg primer: CGTTGTAAACGACGCCAGT
Class: plasmid ends
High quality sequence stop: 24.
Location/Qualifiers

    .24
    /organism="Mus musculus"

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Best Local Similarity
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Fax: 801 585 7177
Email: ddunn@genetics.utah.edu
Insert Length: 10000 Std Error: 0.00
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Plate: 0156 row: H column: 13
Seq primer: CGTTGTAAAACGACGGCCAGT
Class: plasmid ends
                                                                                                                                                             organism="Mus musculus"
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Unpublished (2000)
Cottact: Robert B. Weiss
University of Utah Genome Center
University of Utah
                                                                                                                                                                                                             'db_xref="taxon:10090"
'clone="UUGC1M0156H13"
                                                                                 High quality sequence stop: 22.
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                                                                                                                                                                                        'strain="C57BL/6J'
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AZ309564.1 GI:10350859
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Matches

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RESULT 6 A1687266/c

DEFINITION

ORGANISM

REFERENCE AUTHORS TITLE

JOURNAL

COMMENT

ACCESSION VERSION KEYWORDS SOURCE

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//note="NetCor: PWAZIV; Purified genomic DNA from M. musculus C57BL/6J (male) was obtained from the Jackson Laboratory Mouse DNA Resource (http://www.jax.org/resources/documents/dnares/). The DNA was hydrodynamically sheared by repeated passage through a 0.005 inch orifice at constant velocity. The sheared DNA was blunt end-repaired with T4 DNA polymerase and T4 polymucleotide kinase. Adaptor oligomucleotides were ligated to the blunt ends in high molar excess. The adaptored DNA was purified and size-selected for a 9.5 to 10.5 kb range using preparative agarces gel electrophoresis. Vector DNA was prepared from a derivative of pWD42 (gi|4732114|gb|AR129072.1), a copy-number inducible derivative of plasmid R1. The vector was ligated with adaptors complementary to the insert adaptors and purified. The sheared, adaptored mouse DNA was annealed to adaptored for ampicillin resistance." chemically-competent E. coli XL10-Gold (Stratagene) cells and selected for ampicillin resistance."
                                                                                                                                                                                                                                           GSS 29-SEP-2000
                                                                                                                                                                                                                                  AZ331549
1M0059K02R Mouse 10kb plasmid UUGCIM library Mus musculus genomic clone UUGCIM0059K02 R, DNA sequence.
                                                                                                                                                                                                                                                                                                                                                                                                                                   Mus musculus

Bukaryota; Metazoa; Chordata; Craniata; Vertebrata; Buteleostomi;

Mammalia; Butheria; Rodentia; Sciurognathi; Muridae; Musinae; Musinae; Lo 23)

1 (bases 1 to 23)

1 (bases 1 to 23)
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Rm. 308, Biomedical Polymers Research Bldg., 20 S. 2030 E., SLC,
84112, USA
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         /strain="C57BL/6J"
/db xref="taxon:10090"
/clone="UUGCIMO59KC2"
/clone lib="Mouse lOkb plasmid UUGCIM library"
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Indels
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  Mismatches
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Seg primer: CACACAGGAAACAGCTATGACC
Class: plasmid ends
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Unpublished (2000)
Contact: Robert B. Weiss
University of Utah Genome Center
University of Utah
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Location/Qualifiers
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Tel: 801 585 5606
Fax: 801 585 7177
Email: ddunn@genetics.utah.edu
Insert Length: 10000 Std Erx
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                                                                                                                                                                                                                                                                                                                                                     AZ331549.1 GI:10394350
10; Conservative
                                                       5 CAGAGCCCAA 14
                                                                                                       CAGAGCCCAA 3
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KEYWORDS
SOURCE
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ORIGIN
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AUTHORS
     Matches
                                                                                                                                                                                                                                                                                                                            ACCESSION
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                                                                                                                                                                                                               AZ331549
LOCUS
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Email: cgapbs-r@mail.nih.gov
Tissue Procurement: Christopher Moskaluk, M.D., Ph.D., Michael R.
Tissue Procurement: Christopher Moskaluk, M.D., Ph.D., Ph.D., Dh.D., Ph.D., Ph.D., CDNA Library Preparation: Life Technologies, Inc.
CDNA Library Arrayed by: Greg Lennon, Ph.D.
DNA Sequencing by: Washington University Genome Sequencing Center
Clone distribution: NII-CGAP clone distribution information can be
found through the I.M.A.G.E., Consortium/LLML at:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             AI687266 22 bp mRNA linear EST 14-DEC-1999 tp94di0.x1 NCI CGAP Ut3 Homo sapiens cDNA clone IMAGE:2206963 3' similar to SW:DXS8 HUMAN P98175 DXS8237E PROTEIN ;contains element MER22 repetitive element ;, mRNA sequence.
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Site 2: Not1; Cloned unidirectionally. Primer: Oligo dT.
Average insert size 1.45 kb. Life Technologies catalog #:
                           /db_xref="taxon:966"
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/clone=llD=NNH MGC_10"
/cell line="WGC36"
/lab_nost="DH10B"
/note="Organ: cervix; Vector: pCMV-SPORT6; Site_1: Not!; Site_2: Sali; Cloned unidirectionally. Primer: Oligo dT. Average insert size 1.5 kb. Library prepared by Life Technologies."
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Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.
1 (bases 1 to 22)
NCI-CGAP http://www.ncbi.nlm.nih.gov/ncicgap.
National Cancer Institute, Cancer Genome Anatomy Project (CGAP),
                                                                                                                                                                                                                                                                                                                                                                                                             Gaps
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/db_xref="taxon:966"
/clone="lyAGB:2206683"
/clone=lib="NCI_CGAP_Ut3"
/tissue type="poorly-differentiated endometrial
adenocarinoma, 2 pooled tumors"
/lab_host="DH108"
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                                                                                                                                                                                                                                                                                                                                                          Length 47;
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1 Similarity 100.0%; Pred. No. 1.4e+04;
11; Conservative 0; Mismatches 0;
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        organism="Homo sapiens"
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100.0%;
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A1687266.1 GI:4898560
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Unpublished (1997)
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Best Local Similarity
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source

FEATURES

BASE COUNT ORIGIN

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(http://www.jax.org/resources/documents/dnares/). The DNA was hydrodynamically sheared by repeated passage through a 0.005 inch orifice at constant velocity. The sheared DNA was blunt end repaired with T4 DNA polymerase and T4 polymuclectide kinase. Adaptor oligonuclectides were ligated to the blunt ends in high molar excess. The adaptored DNA was purified and size-selected for a 9.5 to 10.5 kb range using preparative agarose gel electrophoresis. Vector DNA was prepared from a derivative of pwD42 (gi|q13214]qb|hg129072.1), a copy-number inducible derivative of plasmid R1. The vector was ligated with adaptors complementary to the insert adaptors and purified. The sheared, adaptored mouse DNA was annealed to adaptored vector DNA, and transformed into
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Rm..308, Biomedical Polymers Research Bldg., 20 S. 2030 E., SLC, UT
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Buteleostomi;
Mammalia; Eutheria; Rodentia; Sciurognathi; Muridae; Murinae; Mus.
1 (bases 1 to 28)
                                                                                                                                                                                                                                                 AZ939438 16SS 26-APR-200 2M0198121F Mouse 10kb plasmid UUGC2M library Mus musculus genomic clone UUGC2M0198121 F, DNA sequence.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Dunn, D., Acyagi. A., Barber, M., Beacorn, T., Duval, B., Hamil, C., Islam, H., Longacre, S., Mahmoud, M., Meenen, E., Pedersen, T., Reilly, M., Rose, M., Rose, R., Stokes, R., Tingey, A., von Niederhausern, A. and Wright, D., Weiss, R.
Mouse whole genome scaffolding with paired end reads from 10kb plasmid inserts
Unpublished (2000)
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/clone="UUGC2M0198121"
/clone_lib="Mouse 10kb_plasmid UUGC2M_library"
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Email: ddunn@genetics.utah.edu
Insert Length: 10000 Std Exror: 0.00
Plate: 0198 row: I column: 21
Seq primer: CGTTGTAAAACGACGGCCAGT
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          /organism="Mus musculus"
/strain="C57BL/6J"
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University of Utah Genome Center
University of Utah
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Location/Qualifiers
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Best Local Similarity 100.
Matches 10; Conservative
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Fax: 801 585 7177
   4 ACAGAGCCCA 13
                                                10 ACAGAGCCCA 1
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                    house mouse.
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AZ939438/c
                                                                                                                                                                                                                                                                              DEFINITION
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                                                                                                                                                                                                                                                                                                                   EST 30-APR-1999
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Bukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
Mammalia; Eutheria; Rodentia; Sciurognathi; Muridae; Murinae; Mus.
                                                                                                                                                                                                                                                                           25 bp mRNA linear BST 30-APR-19
uk38f04.x1 Sugano mouse kidney mkia Mus musculus cDNA clone
IMAGE:1971295 3' similar to SW:WS3_HUMAN 000399 WS-3 PROTEIN. ;,
MRNA sequence.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           This clone was previously sequenced on the 5' end only, this new data is from the 3' end
Trace considered overall poor quality
Possible reversed clone: similarity on wrong strand
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   This clone is available royalty-free through LLNL , contact the IMAGE Consortium (info@image.llnl.gov) for further information.
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   Gaps
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Washington University School of Medicine
4444 Forest Park Parkway, Box 8501, St. Louis, MO 63108, USA
Fax: 314 286 1810
Email: mouseest@watson.wustl.edu
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|sex="female"
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0; Mismatches
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clone="IMAGE:1971295"
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High quality sequence stop: 1.
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/lab_host="DH10B"
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10; Conservative
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                                                                      11 CCAACTCTTC
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GSS 29-SEP-2000

RESULT 10

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Enkaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi; Mammalia; Eutheria; Rodentia; Sciurognathi; Muridae; Murinae; Mus. 1 (bases 1 to 30)
Dunn, D., Aoyagi, A., Barber, M., Beacorn, T., Duval, B., Hamil, C., Islam, H., Longacre, S., Mahmoud, M., Meenen, E., Pedersen, T., Reilly, M., Rose, M., Rose, R., Stokes, R., Tingey, A., von Niederhausern, A. and Wright, D., Weise, R., Tingey, A., von Niederhausern, A. Mouse whole genome scaffolding with paired end reads from 10kb plasmid inserts
                                                                                                                                                                                          AZ310102
1M0018D24R Mouse 10kb plasmid UUGC1M library Mus musculus genomic clone UUGC1M0018D24 R, DNA sequence.
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/clone="UUGC1M0018D24"
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Tel: 801 585 5606
Fax: 801 585 7177
Email: ddunn@genetics.utah.edu
Insert Length: 10000 Std Error: 0.00
Plate: 0018 row: D column: 24
Seq primer: CACACAGGAAACAGCTATGACC
Class: plasmid ends
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Contact: Robert B. Weiss
University of Utah Genome Center
University of Utah
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8 AGCCCAACTC 17
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//note="Vector: PWD42nv; Purified genomic DNA from M.
musculus C57BL/6J (male) was obtained from the Jackson
Laboratory Mouse DNA Resource
(http://www.jax.org/resources/documents/dnares/). The DNA
was hydrodynamically sheared by repeated passage through a
0.005 inch orifice at constant velocity. The sheared DNA
was blunt end repaired with T4 DNA polymerase and T4
polynucleotide kinase. Adaptor oligonucleotides were
ligated to the blunt ends in high molar excess. The
adaptored DNA was purified and size-selected for a 9.5 to
10.5 kb range using preparative agarose gel
electrophoresis. Vector DNA was prepared from a derivative
of pWD42 (gil 4732114 [gb] AR129072.1); a copy-number
inducible derivative of plasmid R1. The vector was ligated
with adaptors complementary to the insert adaptors and
purified. The sheared, adaptored mouse DNA was annealed to
adaptored vector DNA, and transformed into
chemically-competent E. coli XL10-Gold (Stratagene) cells
and selected for ampicillin resistance."
                                                                                                                                                                                                                                                                                                                                                                SM Mus musculus
Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
Mus musculus
Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
Mammalia; Eutheria; Rodentia; Sciurognathi; Muridae; Murinae; Mus.

1 (bases 1 to 29)
S Dunn, D., Aoyagi, A., Barber, M., Beacorn, T., Duval, B., Hamil, C.,
Islam, H., Longacre, S., Mahmoud, M., Meenen, B., Pedersen, T., Reilly
, M., Rose, M., Rose, R., Stokes, R., Tingey, A., von Niederhausern, A.
and Wright, D., Weiss, R.
Mouse whole genome scaffolding with paired end reads from 10kb
plasmid inserts
Unpublished (2000)
Contact: Robert B. Weiss
University of Utah
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/db_xref="taxxon:10090"
/db_inde="UndC1M0185M20"
/clone_lib="Mouse lOkb plasmid UUGC1M library"
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Location/Qualifiers
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Fax: 801 585 7177
Email: ddunn@genetics.utah.edu
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  7 GAGCCCAACT 16
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84112, USA
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FEATURES

AUTHORS

JOURNAL

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TITLE

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(http://www.jax.org/resources/documents/dhares/). The DNA was hydrodynamically sheared by repeated passage through a 0.005 inch orifice at constant velocity. The sheared DNA was blunt end repaired with T4 DNA polymerase and T4 polymucleotide kinase. Adaptor oligonucleotides were ligated to the blunt ends in high molar excess. The adaptored DNA was purified and size-selected for a 9.5 to 10.5 kb range using preparative agarose gel electrophoresis. Vector DNA was prepared from a derivative of pwD42 (gi|4732114|gb|AR129072.1), a copy-number inducible derivative of plasmid R1. The vector was ligated with adaptors complementary to the insert adaptors and purified. The sheared, adaptored mouse DNA was annealed to adaptored vector DNA, and transformed into
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/lab host="E. Coli strain XLIO-Gold, T1-resistant, F-"
/note="Vector: PWD42nv; Purified genomic DNA from M.
musculus C57BL/6J (male) was obtained from the Jackson
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/organism=num. organisms. // db_xref="law.right" // db_xref="law.right" // db_xref="law.right" // db_xref="law.right" // db_xref="law.right" // dbone="lwight" // dbone="lwigh
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E. (bases 1 to 37)

S. NIH-MCC http://mgc.nci.nih.gov/.

National Institutes of Health, Mammalian Gene Collection (MGC)

L. Unpublished (1999)

Contact: Robert Strausberg, Ph.D.

Email: cgapbs-r@mail.nih.gov
Tissue Procurement: Life Technologies, Inc.

CDNA Library Arrayed by: The I.M.A.G.E. Consortium (LINL)

DNA Sequencing by: Incyte Genomics, Inc.

Clone distribution: MGC clone distribution information can be found through the I.M.A.G.E. Consortium/LINL at:

http://image.llnl.gov

Plate: LiAMl16 for row: 1 column: 12
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NIH-MGC http://mgc.nci.nih.gov/.

National Institutes of Health, Mammalian Gene Collection (MGC)
Unpublished (1999)

Unpublished (1999)

Email: Ggapbs-r@mail.nih.gov
Tisaue Procurement: DCTD/DTP,
CONA Library Preparation: Ling Hong/Rubin Laboratory
CDNA Library Arrayed by: The I.M.A.G.E. Consortium (LLNL)
DNA Sequencing by: Incyte Genomics, Inc.
Clone distribution: MGC clone distribution information can be found through the I.M.A.G.E. Consortium/LLNL at:
http://image.llnl.gov
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/organism="Homo sapiens"
/db_xref="taxon:9606"
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// Organiam="Homo sapiens"
// Organiam="Homo sapiens"
// Organiam="Homo: 1006"
// Clone="IMAGE: 1223891"
// Clone="IMAGE: 1223891"
// Lissue type="adanocarcinoma"
// Lab_host="DH10B"
// Lab_host="DH10B"
// Cloned undirectionally, Primer: Oligo dT: Average insert size 1.72 kb. Life Technologies catalog #:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Tumor Gene Index
Unpublished (1997)
Contact: Nobert Strausberg, Ph.D.
Email: cgapbs-remail.nih.gov
Life Technologies catalog #: 11548-013
DNA Sequencing by: Washington University Genome Sequencing Center
Clone distribution: NCI-CGAP clone distribution information can be
found through the I.M.A.G.B. Consortium/LIML at:
www-bio.llnl.gov/bbrp/image/image.html
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602449304F1 NIH_MGC_14 Homo sapiens cDNA clone IMAGE:4587696 5',
                                                                                                                                                                                                                                                                                                                                                                                                                                                           Homo sapiens
Bukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.
1 (Dases 1 to 37)
NCI-CGAP http://www.ncbi.nlm.nih.gov/ncicgap.
National Cancer Institute, Cancer Genome Anatomy Project (CGAP),
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Mammalia, Eutheria, Primates, Catarrhini, Hominidae, Homo.
1 (bases 1 to 37)
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      CTGACAGAGC 10
                                                            24 CTGACAGAGC 15
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BG423450
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DEFINITION
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TITLE
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COMMENT
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KEYWORDS
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/ncce="Organ: pooled colon, kidney, stomach; Vector:
pGWV-SPORT6; Site_1: Not1; Site_2: EcoRV (destroyed); RNA
source anonymous pool of 3 colons, age 26 yo male, 49 yo
female, 71 yo male colon; 46 yo male kidney, and pool of
stomachs, 62 yo male and 70 yo female. Library is
oligo-dT primed and directionally cloned (EcoRV site is
destroyed upon cloning). Average insert size 1.4 kb,
insert size range 1.3 kb. Library is normalized and
enriched for full-length clones and was constructed by C.
Gruber (Invitrogen). Research Genetics tracking code
023. Note: this is a NIH MGC Library."
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/dev_stage="stage_25"
/note="Vector: pBSRN3; Site_1: Not1; Site_2: EcoR1; cDNAs were oligo-dT primed and directionally cloned. Staging according to Nieuwkoop and Faber. Library is subtracted and was constructed by N. Garrett and A.M. Zorn,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Kitayama, A., Terasaka, C., Mochii, M., Ueno, N., Shin-i, T. and Kohara
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Eukaryota, Metazoa, Chordata, Craniata, Vertebrata, Euteleostomi,
Mempibia, Batrachia, Anura, Mesobatrachia, Pipoidea, Pipidae,
Xenopodinae, Xenopus
1 (bases 1 to 37)
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/clone="XL077i14"
/clone_lib="NIBB Mochii normalized Xenopus tailbud
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50.0%; Score 10; DB 13; Length 37;
Best Local Similarity 100.0%; Pred. No. 5e+04;
Matches 10; Conservative 0; Mismatches 0; Indels
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5e+04;
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Conteat: Tadasu Shin-i
Conteat: Tadasu Shin-i
Center For Genetic Resource Information
National Institute of Genetics
1111 Yata, Mishima, Shizuoka 411-8540, Japan
Fax: 81-559-81-6855
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(Wellcome/CRC Institute). "
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organism="Xenopus laevis"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Expressed genes in X. laevis embryo
                     /clone_lib="NIH_MGC_116"
/lab_host="DH10B"
'clone="IMAGE:5190683"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Email: tshini@genes.nig.ac.jp.
Location/Qualifiers
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      BJ063841.1 GI:17471031
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BJ063841
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24 CCAACTCTTC 33 셤

Search completed: June 23, 2003, 10:10:21 Job time: 1033.31 secs

11 CCAACTCTTC 20

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8, Appli 3, Appli 24, Appl 8, Appli 9, Appli 155, App

Sequence

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Run on:

Sequence:

Searched:

Database

Result No.

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Sequence 6, Application US/08770565
Patent No. 5846723
GENERAL INFORMATION
GENERAL INFORMATION
GENERAL INFORMATION
APPLICANT: Wu, Fred
APPLICANT: Weinrich, Scott L.
APPLICANT: Weinrich, Scott L.
TITLE OF INVENTION: Methods for Detecting the RNA Component of TITLE OF INVENTION: Telomerase
NUMBER OF SEQUENCES: 26
CORRESPONDENCE ADDRESS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             100.0%; Score 20; DB 2; Length 20; 100.0%; Pred. No. 0.057; ive 0; Mismatches 0; Indels
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T: Two Embarcadero Center, 8th Floor
San Francisco
California
(Y: USA
FILING DATE: 20-DEC-1996
CLASSIFICATION: 435
ATTORNEY/AGENT INFORMATION:
NAME: STOETLA, John R.
REGISTRATION NUMBER: 32,944
REFERENCE/DOCKET NUMBER: 015389-002300US
TELECHOMONICATION INFORMATION:
TELECHOMONICATION INFORMATION:
TELEFAX: 415-576-0300
INFORMATION FOR SEQ ID NO: 6:
SEQUENCE CHARACTERISTICS:
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Best Local Similarity 100.
Matches 20; Conservative
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   007770080076644700
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STRANDEDNESS: single
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  ADDRESSEE:
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Sequence 23, Appl
Sequence 33, Appl
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                                                                              June.24, 2003, 22:17:30 ; Search time 30.3586 Seconds (without alignments) 202.036 Million cell updates/sec
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'Cgn2 6/ptodata/2/ina/5A_COMB.seq:*
'Cgn2 6/ptodata/2/ina/5B_COMB.seq:*
'Cgn2 6/ptodata/2/ina/6A_COMB.seq:*
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'Cgn2 6/ptodata/2/ina/PCTUS COMB.seq:*
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Compugen Ltd.
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US-08-339-214-100
US-09-657-452A-168
US-09-270-542-130
US-08-305-700-1
US-08-305-700-1
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-08-475-228A-10
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-09-051-363-23
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            GenCore version
Copyright (c) 1993 - 2003
                                                                                                                                                                                                                                                                                             Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries
                                                         nucleic search, using sw model
                                                                                                                                                   1 CTGACAGAGCCCAACTCTTC 20
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                                                                                                                            US-08-770-564A-6
20
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Match Length
                                                                                                                                                                             IDENTITY NUC
                                                                                                                                                                                                                                                             seq length: 0
seq length: 50
                                                                                                                             Title:
Perfect score:
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Maximum DB
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GENERAL INPORMATION:
GENERAL INPORMATION:
APPLICANT: FULK, Walter
TITLE OF INVENTION: Methods for Modulating and Identifying
TITLE OF INVENTION: Cellular Senescence
NUMBER OF SEQUENCES: 36
CORRESPONDENCE ADDRESS:
ADDRESSPER: Genon Corporation
STREET: 230 Constitution Drive
CITY: Menlo Park
STRATE: California
COUNTRY: USA
ZIP: 9402E: Floppy disk
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.30
CURRENT APPLICATION NUMBER: US/08/974,180
FILLING DATE: 19-NOV-1997
CLASSIFICATION: 435
ATTORNEY/AGENT INFORMATION:
NAME: Kaster, Kevin R.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            DB 4;
                                                                                                                                                                              COMPUTER: IBM Compatible
COMPUTER: IBM Compatible
OPERATING SYSTEM: Windows95
SOCHWARE: FastSEC for Windows Version 2.0
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/051,363
FILING DATE: 07-APP-1998
PRICATION NUMBER: PCT/JP96/02906
FILING DATE: 07-CT-1996
APPLICATION NUMBER: 8/211892 JP
FILING DATE: 07-CT-1996
APPLICATION NUMBER: 3/296476 JP
APLICATION NUMBER: 9/211892
ATTILING DATE: 07-CT-1996
APPLICATION NUMBER: 9/211892
ATTILING DATE: 07-CT-1995
APPLICATION NUMBER: 9/211892
ATTILING DATE: 07-CT-1995
ATTILING DATE: 07-CT-1995
ATTILING DATE: 17/296476 JP
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Best Local Similarity 93.8%; Pred. No. 63;
Matches 15; Conservative 0; Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            NAME: Fraser, Ph.D., J.D., Janis K. REGISTRATION NUMBER: 34,819
REFERENCE/DOCKET NUMBER: 06501/01200
TELECOMMUNICATION INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        US-08-974-180-33/c
; Sequence 33, Application US/08974180
; Patent No. 6025194
225 Franklin Street
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              MOLECULE TYPE: synthetic DNA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       TELEPHONE: 617/542-6700
TELEFAX: 617/542-8906
TELEF. 200154
INFORMATION FOR SEQ ID NO: 23
SEQUENCE CHARACTERISTICS:
LENGTH: 42 base pairs
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                                                                                                   ZIP: 02110-2804
COMPUTER READABLE FORM:
MEDIUM TYPE: Diskette
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          STRANDEDNESS: single
                                                                             USA
                                                       STATE: M2
COUNTRY:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          US-09-051-363-23
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                                                                                                                                                                                                                                                                 APPLICANT: Wu, Fred APPLICANT: Wall, Name NO.
APPLICANT: Wall, Fred APPLICANT: Kealey, James T.
APPLICANT: Fuzan, Roanald
APPLICANT: Pruzan, Roanald
APPLICANT: Pruzan, Roanald
APPLICANT: Weinrich, Scott L.
TITLE OF INVENTION: Methods for Detecting the RNA Component of TITLE OF INVENTION: Telomerase
NUMBER OF SEQUENCES: 26
CORRESPONDENCE ADDRESS:
ADDRESSEE: Town Embarcadero Center, 8th Floor
CITY: San Francisco
STATE: California
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     100.0%; Score 20; DB 2; Length 30; 100.0%; Pred. No. 0.062;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           CURRENT APPLICATION DATA:
SOFTWARE: Patentin Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/770,565
FILING DATE: 20-DEC-1996
CLASSIFICATION: 435
ATTORNEY/AGENT INPORMATION:
NAME: Storella, John R.
REGISTRATION NUMBER: 32,944
REFRENCE/POCKET UNBER: 015389-002300US
TELECOMMUNICATION INPORMATION:
TELECOMMUNICATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      APPLICANT: Okamoto, Masaji
APPLICANT: Niwa, Mikio
APPLICANT: Matsumoto, Tomoe
APPLICANT: Asano, Makoto
APPLICANT: Asano, Wakoto
TITLE OF INVENTION: VEGF-BINDING POLYPEPTIDES
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          0; Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          CORRESPONDENCE ADDRESS:
ADDRESSEE: Fish & Richardson P.C.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          COUNTRY: USA
ZIP: 94111-3834
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IEM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Sequence 23, Application US/09051363
Patent No. 6270993
                                                                                                                                                             Sequence 5, Application US/08770565 Patent No. 5846723
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Shibuya, Masabumi
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          TELEPHONE: 415-576-0200
TELEFAX: 415-576-0300
INFORMATION FOR SEQ ID NO: 5:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Ouery Match
Best Local Similarity 100.
Matches 20, Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             TYPE: nucleic acid
STRANDEDNESS: single
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    NUMBER OF SEQUENCES:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       , MOLECULE TYPE: DNA
US-08-770-565-5
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          -09-051-363-23/c
                                                                                                                                     JS-08-770-565-5
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Gaps

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US-09-657-452A-168

J Sequence 169, Application US/09657452A

J Patent No. 6426188

J GENERAL INFORMATION:

APPLICANT: Brett P. Monia

APPLICANT: Broqueline Wyatt

TILE OF INVENTION: ANTISENSE MODULATION OF PHOSPHORYLASE KINASE ALPHA 1 EXPRESSION

FILE REFERENCE: RTS-0125

CURRENT APPLICATION NUMBER: US/09/657,452A

CURRENT PILING DATE: 2000-09-07

NUMBER OF SEQ ID NOS: 178

SEQ ID NO 168
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; Sequence 130, Application US/09270542
; Sequence 130, Application US/09270542
; Patent No. 6322976
; GENERAL INFORMATION:
; APPLICANT: Altman, Timothy
; APPLICANT: Scott, James
; APPLICANT: Stanton, Lawrence
; TITLE OF INVENTION: Compositions and Methods of Disease Diagnosis and ·
; TITLE OF INVENTION: Compositions and Methods of Disease Diagnosis and ·
; TITLE OF INVENTION: Therapy
; FILE REPERENCE: 4198/7817 9
; CURRENT APPLICATION NUMBER: US/09/270,542
; CURRENT FILING DATE: 1999-03-17
; EARLIER PLING DATE: 1999-12-23
; NUMBER OF SEQ ID NOS: 207
; SOFTWARE: PatentIn Ver. 2.0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Gaps
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        64.0%; Score 12.8; DB 4; Length 30; ilarity 87.5%; Pred. No. 4.1e+02; Conservative 0; Mismatches 2; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Query Match 63.0%; Score 12.6; DB 4; Length 20; Best Local Similarity 78.9%; Pred. No. 4.9e+02; Matches 15; Conservative 0; Mismatches 4; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Score 12.6; DB 4; Length 35;
Pred. No. 5.5e+02;
0; Mismatches 4; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   ; OTHER INFORMATION: Antisense Oligonucleotide US-09-657-452A-168
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        RESULT 8
US-08-305-700-1
; Sequence 1, Application US/08305700
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        2 TGACAGAGCCCAACTCTTC 20
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             · 2 TGACAGAGCCCAACTCTTC 20
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            10 rchaddagrcchagrcrrc 28
                                                                                                                5 CAGAGCCCAACTCTTC 20
                                                                                                                                                                    10 CARAGCCCAGCTCTTC 25
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             ORGANISM: Artificial Sequence
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Query Match
Best Local Similarity 78.9%;
Matches 15; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           ORGANISM: Rattus norvegicus US-09-270-542-130
                                Best Local Similarity
Matches 14; Conser
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      SEQ ID NO 130
LENGTH: 35
          Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                TYPE: DNA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          TYPE: DNA
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          GENERAL INFORMATION:
GENERAL INFORMATION:
GENERAL INFORMATION:
APPLICANT: Suda, Takabahi
APPLICANT: Takabahi, Tomoniro
APPLICANT: Takabahi, Tomoniro
APPLICANT: Takabahi, Tomoniro
APPLICANT: Nakamura, No. 6348334io
TITLE OF INVENTION: A Fae Ligand, A Fragment Thereof and DNA
TITLE OF INVENTION: Encoding the Same
TITLE OF INVENTION
STATE: Virginia
COUNTRY: USA
ZIP: 22040-0747
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC COMPATIBLE
OPERATING SYSTEM: PC COMPATIBLE
COMPUTER: DATE: 10-NOV-1994
CLASSIFICATION NUMBER: US/08/339,214
FILING DATE: 10-NOV-1994
CLASSIFICATION: 435
ATTORNEY/AGENT INFORMATION:
NAME: MUNDRY Jr. GERALD M.
REFERENCE/DOCKET NUMBER: 1110-139P
TELECOMMUNICATION INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Length 26;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 DB 3;
93;
                                                                                                                                                                                                                                                                                                                                                NAME/KEY: -
LOCATION: 1..26
OTHER INFORMATION: /note= "primer hTR S328"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                              70.0%; Score 14; DB 100.0%; Pred. No. 93; Live 0; Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         TOPOLOGY: not relevant
MOLECULE TYPE: other nucleic acid
DESCRIPTION: /desc = "sense primer 19"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Sequence 100, Application US/08339214
Patent No. 6348334
GENERAL INFORMATION:
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INFORMATION FOR SEQ ID NO: 100:
SEQUENCE CHARACTERISTICS:
LENGTH: 30 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: not relevant
REGISTRATION NUMBER: 32,704
REFERENCE/DOCKET NUMBER: 206
TELECOMMUNICATION INFORMATION:
TELEPHONE: (650) 473-7779
TELEFAX: (650) 473-8654
INFORMATION FOR SEQ ID NO: 33:
SEQUENCE CHARACTERISTICS:
LENGTH: 26 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Query Match
Best Local Similarity 100.0
Matches 14, Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    14 CTGACAGAGCCCAA 1
                                                                                                                                                                                                                                                                 TOPOLOGY: linear MOLECULE TYPE: DNA
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US-08-339-214-100
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     US-08-339-214-100
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Score 12.6; DB 5;
Pred. No. 5.6e+02;
                                                                               CLASSIFICATION: 530
ATTORNEY/AGRNT INFORMATION:
NAME: PITCHER, EDMUND R.
REGISTRATION NUMBER: 27,829
REFERENCE/DOCKET NUMBER: FIP-001
TELEPHONE: 617-248-7000
TELEPHONE: 617-248-7100
INFORMATION FOR SEQ ID NO: 1:
SEQUENCE CHARACTERISTICS:
LENGTH: 41 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  PCT-US95-11720-1
; Sequence 1, Application PC/TUS9511720
; GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       APPLICATION:
FILING DATE:
CLASSIFICATION:
ATTORNEY/AGENT INFORMATION:
NAME: PITCHER, EDMIND R.
REGISTRATION NUMBER: 27,829
REFERENCE/DOCKET NUMBER: FIP-'
TELECOMMUNICATION INFORMATION:
TELECOMMUNICATION:
TELECOMMUNICATION:
TELECOMMUNICATION:
TOTOLOGY
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         2 TGACAGAGCCCAACTCTTC 20
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78.9%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Query Match 63.0%;
Best Local Similarity 78.9%;
Matches 15; Conservative
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BOSTON
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   TELEFAX: 617-248-7100
INFORMATION FOR SEQ ID NO:
SEQUENCE CHARACTERISTICS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   LENGTH: 41 base pairs
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EDNESS: single
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PCT-US95-11720-1
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Best Local Similarity
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               USA
                                                                                                                                                                                                                                                                                                                                                                                               ; TOPOLOGY: li
; MOLECULE TYPE:
US-08-528-122-1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             COUNTRY: US
ZIP: 02110
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              RESULT 10
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Sequence 1, Application US/08528122

Batent No. 5726044

GENERAL INFORMATION:
APPLICANT: LO, KIN-MING
APPLICANT: SUDO, TUXIO
APPLICANT: GILLIES, STEPHEN D.
TITLE OF INVENTION: BXPRESSION AND EXPORT TECHNOLOGY OF
TITLE OF INVENTION: BXPRESSION AND EXPORT TECHNOLOGY OF
TITLE OF INVENTION: BXPRESSION AND EXPORT TECHNOLOGY OF
TITLE OF INVENTION: PROTEINS AS IMMUNOFUSINS
NUMBER OF SEQUENCES: 20
CORRESSEE: THIBEAGUT
ADDRESSEE: THIBEAGUT
STREET: 125 HIGH STREET
COUNTRY: USA
COUNTRY: USA
COUNTRY: USA
COUNTRY: USA
                             APPLICANT: 10, KIN-MING
APPLICANT: 10, KIN-MING
APPLICANT: 500, YOKIO
APPLICANT: 500, YOKIO
APPLICANT: 6TLLIES, STEPHEN D.
TITLE OF INVENTION: EXPRESSION AND EXPORT TECHNOLOGY OF
TITLE OF INVENTION: PROTEINS AS IMMUNOFUSINS
NUMBER OF SEQUENCES: 15
CORRESPONDENCE ADDRESS:
ADDRESSEE: PATENT ADMINISTRATOR, TESTA, HURWITZ &
ADDRESSEE: PATENT ADMINISTRATOR, TESTA, HURWITZ &
ADDRESSEE: THIBEAULT
STREET: 53 STATE STREET
CITY: BOSTON
STATE: MA
COUNTRY: USA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Query Match 63.0%; Score 12.6; DB 1; Length 41; Best Local Similarity 78.9%; Pred. No. 5.6e+02; Matches 15; Conservative 0; Mismatches 4; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                    SOFTWARE: Patentin Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/305,700
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         APPLICALLES
FILING DATE
CLASSIFICATION: 435
ATTORNEY/AGENT INFORMATION:
NAME: PITCHER, EDWUND R.
REGISTRATION NUMBER: 27,829
REFERENCE/DOCKET NUMBER: FIP-001
TELECOMMUNICATION INFORMATION:
TELEFAX: 617-248-7100
                                                                                                                                                                                                                                                                                                                                                  ZIP: 02109
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             2 TGACAGAGCCCAACTCTTC 20
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COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-
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                      GENERAL INFORMATION:
Patent No. 5541087
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  US-08-305-700-1
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Score 12.6; DB 1; Length 41; Pred. No. 5.6e+02;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      APPLICANT:
TITLE OF INVENTION: EXPRESSION AND EXPORT TECHNOLOGY OF TITLE OF INVENTION: PROTEINS AS IMMUNOFUSINS NUMBER OF SEQUENCES: 20 CORRESPONDENCE ADDRESS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         ADDRESSEE: PATENT ADMINISTRATOR, TESTA, HURWITZ & ADDRESSEE: THIBEAULT
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IEM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOPTWARE: Patentin Release #1.0, Version #1.25
CURRATI APPLICATION DATA:
APPLICATION NUMBER: PCT/US95/11720
SOFTWARE: Patentin Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/528,122
FILING DATE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           0; Mismatches
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Sequence 135, Application US/09166186A

Sequence 135, Application US/09166186A

Patent No. 6080580

GENERAL INFORMATION:
APPLICANT: Baker, Brenda
APPLICANT: Benett, C. Frank
APPLICANT: Benett, C. Frank
APPLICANT: Brendahan, William R.
TITLE OF INVENTION: ANTISENSE OLIGONUCLEOTIDE MODULATION OF TNF-a EXPRESSION FILE REPERENCE: 1SPH-03.2
CURRENT APPLICATION NUMBER: US/09/166,186A
CURRENT FILING DATE: 1998-10-05
NUMBER OF SEQ ID NOS: 250

SEQ ID NO 135
LENGTH: 20
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Gaps
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Sequence 135, Application US/09313932A

Patent No. 6228642

GENERAL INFORMATION:
APPLICANT: Baker. Brenda

APPLICANT: Bennett, C. Frank
APPLICANT: Bennett, C. Frank
APPLICANT: Shanahan, William R.
TITLE OF INVENTION: ANTISENSE OLIGONUCLEOTIDE MODULATION OF TNF-
TITLE OF INVENTION: EXPRESSION
FILE REPERENCE: ISPH-0356
CURRENT APPLICATION NUMBER: US/09/313,932A

CURRENT FILING DATE: 1999-05-18

NUMBER OF SEQ ID NOS: 501

LENGTH: 20
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Length 20;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Length 20;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Chimeric Polyclonal Antibodies
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Score 12.4; DB 3;
Pred. No. 6.2e+02;
0; Mismatches 1;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Query Match 62.0%; Score 12.4; DB 4; Best Local Similarity 92.9%; Pred. No. 6.2e+02; Matches 13; Conservative 0; Mismatches 1;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          ) OTHER INFORMATION: antisense sequence US-09-166-186-135
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Sequence 74, Application US/09410903
Patent No. 6420113
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                014907-002700US
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Gray, Jeff
Biosite Diagnostics
                                                                                                                                                                                                                                                                                                                                                                                                                                                         TYPE: DNA
ORGANISM: Artificial Sequence
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     62.0%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 TYPE: DNA ORGANISM: Artificial Sequence
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         FEATURE:
CTHER INFORMATION: Synthetic
US-09-313-932-135
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               5 CAGAGCCCAACTCT 18
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Best Local Similarity 92.9'
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APPLICANT: Buechler, Joe
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 TITLE OF INVENTION:
FILE REFERENCE: 014
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              US-09-313-932-135/c
      US-09-166-186-135/c
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APPLICANT:
APPLICANT:
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   Gaps
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      Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   ZIP: 90071-2066
COMPUTER READABLE FORM:
MEDIUM TYPE: 3." Diskette, 1.44 Mb
MEDIUM TYPE: 1 BM Compatible
COMPUTER: 1 BM Compatible
COMPUTER: 1 BM Compatible
COMPUTER: 1 BM COMPATIBLE
CURRENT APPLICATION DATA:
FILING DATE: September 23, 1994
CLASSIFICATION NAMBER: US/08/311,486C
CLASSIFICATION DATA: including application
PRIOR APPLICATION DATA: described below:
APPLICATION NUMBER: 08/008,895
FILING DATE: JGROUNDER: 08/008,895
FILING DATE: December 7, 1992
ATTONNEY/AGENT INFORMATION:
ANNUMBER: MOSENT THORMATION:
ANNUM
      4;
                                                                                                                                                                                                                                                                                                                                                                                                             APPLICANT: Kevin Kisich
APPLICANT: Kevin Kisich
APPLICANT: Dan T. Stinchcomb
APPLICANT: Danes McSwiggen
TITLE OF INVENTION: RIBOZYME TREATMENT OF
TITLE OF INVENTION: RELATED TO LEVELS OF
TITLE OF INVENTION: TREATED TO LEVELS OF
TITLE OF INVENTION: TNF-'
NUMBER OF SEQUENCES: 1157
CORRESPONDENCE ADDRESS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  2; Mismatches
   0; Mismatches
                                                                                                                                                                                                                                                                Sequence 658, Application US/08311486C
Patent No. 5811300
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       ADDRESSEE: Lyon & Lyon STREET: 633 West Fifth Street STREET: 634 West Fifth Street STREET: Los Angeles CITY: Los Angeles COUNTRY: U.S.A. ZIPE: 90071-2066
                                                           2 TGACAGAGCCCAACTCTTC 20
                                                                                                                10 radeccacccaarcric 28
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REGISTATION NUMBER: 32,327
REFERENCE, DOCKET NUMBER: 20:
                                                                                                                                                                                                                                                                                                                                                                                       Kenneth Draper
Kevin Kisich
Dan T. Stinchcomb
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 (213) 489-1600
(213) 955-0440
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Best Local Similarity 78.6
Matches 11; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         TELEX: 67-3510
INFORMATION FOR SEQ ID NO:
SEQUENCE CHARACTERISTICS:
LENGTH: 15 base pairs
15; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             TYPE: nucleic acid
STRANDEDNESS: single
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              TELEPHONE:
TELEFAX: (2
TELEX: 67-3
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Matches
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Search completed: June 25, 2003, 00:24:37 Job time: 31.3586 secs
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Pred. No. 7.3e+02;
0; Mismatches 1; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               APPLICANT: Edwards, Cynthia A.
APPLICANT: Edwards, Charles R.
APPLICANT: Andrews, Beth M.
APPLICANT: Turin, Lisa M.
APPLICANT: Turin, Lisa M.
APPLICANT: Fry, Kirk E.
TITLE OF INVENTION: Sequence-Directed DNA Binding
TITLE OF INVENTION: Molecules, Compositions and Methods
NUMBER OF SEQUENCES: 641
CORRESPONDENCE ADDRESS:
ADDRESSEE: Genelabs Technologies, Inc.
                                                                                                                                                                                                                                                                                                                                                                         ; OTHER INFORMATION: oligonucleotide 3' PCR primer 876
US-09-410-903-74
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             SOFTWARE: Patentin Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/171,389
FILING DATE:
                                    PRIOR APPLICATION NUMBER: US 08/832,985
PRIOR FILING DATE: 1997-04-04
PRIOR PILING DATE: 1997-04-04
PRIOR APPLICATION NUMBER: US 08/835,159
PRIOR PILING DATE: 1997-04-04
PRIOR APPLICATION NUMBER: WO PCT/US98/06704
PRIOR FILING DATE: 1998-04-03
NUMBER OF SEQ ID NOS: 100
SOFTWARE: FastSEQ for Windows Version 3.0
SQUTWARE: FastSEQ for Windows Version 3.0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          REGISTRATION NUMBER: 33,875
REFERENCE/DOCKET NUMBER: 4600-0175/G19P3
TELECOMMUNICATION INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/123,936
FILING DATE: 17-SEP-1993
PRIOR APPLICATION NUMBER: US 07/996,783
FILING DATE: 23-DEC-1992
PRIOR APPLICATION NUMBER: US 07/723,618
FILING DATE: 27-UN-1991
FILING DATE: 27-UN-1991
PRIOR APPLICATION NUMBER: US 07/723,618
FILING DATE: 27-UN-1991
CURRENT APPLICATION NUMBER: US/09/410,903 CURRENT FILING DATE: 1999-10-02
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ATTORNEY/AGENT INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 ZIP: 94063
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  US-08-171-389-10
; Sequence 10, Application US/08171389
; Patent No. 5578444
; GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Redwood City
                                                                                                                                                                                                                                                                                                      TYPE: DNA ORGANISM: Artificial Sequence
                                                                                                                                                                                                                                                                                                                                                                                                                                                    Query Match 62.0%;
Best Local Similarity 92.9%;
Matches 13; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     32 CAGAGCCCAAATCT 19
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STATE: CA
COUNTRY:
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                                                                                                                                  TOPOLOGY: linear
MOLECULE TYPE: DNA (genomic)
HYPOTHETICAL: NO
ONGINAL SOURCE:
INDIVIDUAL ISOLATE: Human gene fragment for the
INDIVIDUAL ISOLATE: acetylcholine receptor gamma
                                                                                                                                                                                                                                                                                                                                    0; Mismatches
(415) 324-0880
                                                                                                                                                                                                                                                                                               62.0%;
92.9%;
                  TELEFAX: (415) 324-0960 INFORMATION FOR SEQ ID NO: 1 SEQUENCE CHARACTERISTICS:
                                                                                                                                                                                                                                                                                                                                                                             S CAGAGCCCAACTCT 18
                                                                                                                                                                                                                                                                                                                                      13; Conservative
                                                                           45 base pairs
                                                                                               TYPE: nucleic acid
STRANDEDNESS: double
                                                                                                                                                                                                                                                                                               Query Match
Best Local Similarity
Matches 13; Conserv
                                                                                                                                                                                                                                                        US-08-171-389-10
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June 25, 2003, 13:28:54 ; Search time 60.7968 Seconds (without alignments) 482.732 Million cell updates/sec
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1: \cgn2 \( \) \cgn \( \) 
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. GenCore version 5.1.6
Copyright (c) 1993 - 2003 Compugen Ltd.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Total number of hits satisfying chosen parameters:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   1042519 seqs, 733713590 residues
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries
                                                                                                                                                                                                                             OM nucleic - nucleic search, using sw model
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Gapop 10.0 , Gapext 1.0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                US-08-770-564A-6
20
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Title:
Perfect score:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Scoring table:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Database :
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Sequence:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Searched:
                                                                                                                                                                                                                                                                                                                                                         Run on:
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Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

			фP				
Result No.	ult No.	Score	Query Match	Query Match Length DB	DB	ID	Description
	-	14.4	72.0	19		115-10-093-958-22	Semience 22 Anni
	~	13.6	68.0	28	σ	TIS-10-151-320-25	
	וה	13.6	68.0	2 8	, 6	US-10-152-363A-48	Segmence 48. Appl
υ	4	13.6	68.0	29	6	US-10-152-363A-41	Sequence 41. Appl
	ហ	13.6	68.0	29	0	US-10-152-363A-42	Sequence 42, Appl
U	ø	13.6	68.0	48	σ	US-10-152-363A-16	16, 7
	7	13.4	67.0	21	σ	US-09-909-567B-23	23
υ	8	13.4	67.0	33	6	US-10-006-591-8	8, A
	0	13.4	67.0	35	6	US-10-216-484-86	86,
•	10	13.2	96.0	25	σ	US-10-098-263B-39849	3984
υ	11	13.2	0.99	25	6	US-10-098-263B-57306	Sequence 57306, A
• •	12	13.2	99	28	σ	US-10-152-363A-46	
υ	13	13.2	0.99	30	6	US-10-152-363A-43	43,
•	14	13.2	99	31	6	US-10-152-363A-44	44
υ	15	13.2	0.99	20	6	US-09-874-503-31	31, 7
υ	16	13.2	99	20	σ	US-10-000-157-31	Sequence 31, Appl
υ	11	13.2	0.99	20	σ	US-09-747-259-31	Sequence 31, Appl
υ	18	13.2	0.99	20	6	US-09-908-827-31	31,
υ	19	12.8	64.0	25	σ	US-10-098-263B-2034	Seguence 2034. Ap

Sequence 39, Appl Sequence 9, Appli Sequence 53, Appl Sequence 55, Appl	Sequence 135, App Sequence 135, App Sequence 6, Appli Sequence 10, Appl Sequence 29, Appl Sequence 29, Appl	27, 74, 11249 1614 1614 304, 1662,	Sequence 4759, A Sequence 4759, A Sequence 65640, A Sequence 112540, Sequence 78, Appl Sequence 78, Appl
9 US-10-008-063-39 10 US-09-375-924C-9 9 US-10-218-547-53 9 US-10-218-547-55 9 US-10-065-008-4	9 US-09-824-322B-135 9 US-09-824-322B-135 9 US-09-288-971-6 10 US-09-801-274-1303 9 US-10-008-063-29 9 US-10-152-363A-19	9 US-09-453-234-27 9 US-1013-960-74 9 US-09-930-423-1249 10 US-09-956373-1891 9 US-09-791-389-304 9 US-09-791-389-304 10 US-09-791-398-662	10.50-0-10-098-263B-47598 9 US-10-098-263B-65640 9 US-10-098-263B-65640 9 US-00-977-418-78 9 US-09-977-033A-78 9 US-10-217-914-1
64.0 64.0 63.0 63.0 63.0	62.0 62.0 62.0 62.0 62.0 62.0 31.0 62.0	62.0 61.0 61.0 61.0 61.0 61.0 61.0 61.0 61	61.0 255 61.0 255 61.0 255 61.0 30 61.0 30
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ALIGNMENTS

US-10-093-958-22

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Sequence 22, Application US/10093958
Fublication No. US2003004442341
Sequence 22, Application WS/10093958
Fublication No. US2003004442341
GENERAL INFORMATION:
GENERAL INFORMATION:
TITLE OF INVENTION: Expression Technology for Proteins Containing a Hybrid Isotype An TITLE OF INVENTION: Woisty
TITLE OF INVENTION: Woisty
TITLE OF INVENTION:
FILE REFERENCE: LEX-016
CURRENT APPLICATION NUMBER: US/10/093,958
CURRENT APPLICATION NUMBER: US 60/274,096
FRIOR FILING DATE: 2001-03-07
NUMBER OF SEQ ID NOS: 50
SOFTWARE: Patentin version 3.0
SEQ ID NO 22
LENGTH: 19
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      1; Indels
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Publication No. US20030092114A1
GENERAL INFORMATION:
APPLICANT: Luche, Ralf M.
APPLICANT: Wei, So
ITILE OF INVENTION: DSP-18 DUAL-SPECIFICITY PHOSPHATASE
FILE REFERENCE: 200125.436
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Query Match 72.0%; Score 14.4; DB 9;
Best Local Similarity 93.8%; Pred. No. 5.9e+02;
Matches 15; Conservative 0; Mismatches 1;
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US-10-151-320-25
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Pred. No. 1.5e+03;
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TITLE OF INVENTION: TACI-Immunoglobulin Fusion Proteins
FILE REPERENCE: 01-20
CURRENT APPLICATION NUMBER: US/10/152,363A
CURRENT FILING DATE: 2002-05-20
PRIOR APPLICATION NUMBER: 60/293,343
PRIOR PILING DATE: 2001-05-24
NUMBER OF SEQ ID NOS: 70
SOFTWARE: FastSEQ for Windows Version 3.0
SEQ ID NO 16
LENGTH: 48
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Indels
                                                                                                   4; Indels
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APPLICANT: Rixon, Mark W.
APPLICANT: Gross, Jane A.
TITLE OF INVENTION: TACI-Immunoglobulin Fusion Proteins
FILE REFERENCE: 01-020
CURRENT APPLICATION NUMBER: US/10/152,363A
CURRENT FILING DATE: 2002-05-20
PRIOR APPLICATION NUMBER: 60/293,343
PRIOR FILING DATE: 2001-05-24
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                                                       Score 13.6; DB 9;
Pred. No. 1.5e+03;
0; Mismatches 4;
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SOFTWARE: FastSEQ for Windows Version 3.0
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US-10-152-363A-16/c
; Sequence 16, Application US/10152363A
; Publication No. US20030103986A1
; GENERAL INFORMATION:
; APPLICANT: Rixon, Mark W.
; APPLICANT: Arron, Mark Y.
; APPLICANT: Arron, TACI-Immunoglobuli
                                                                                                                                                                                                                                                               US-10-152-363A-42
; Sequence 42, Application US/10152363A
; Publication No. US20030103986A1
; GENERAL INFORMATION:
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                                                                                                                                            1 CTGACAGAGCCCAACTCTTC 20
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; OTHER INFORMATION: PCR primer.
US-10-152-363A-16
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US-10-152-363A-42
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80.0%;
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ORGANISM: Artificial Sequence
OTHER INFORMATION: PCR primer.
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                                                             Query Match
Best Local Similarity 80.0%;
Matches 16; Conservative
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Best Local Similarity 80.0
Matches 16; Conservative
              US-10-152-363A-41
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          SEQ ID NO 42
LENGTH: 29
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                                                                                                                                                                                                                                               Length 28;
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APPLICANT: Gross, Jane A.
TITLE OF INVENTION: TACI-Immunoglobulin Fusion Proteins
FILE REFERENCE: 01-20
CURRENT APPLICATION NUMBER: US/10/152,363A
CURRENT FILING DATE: 2002-05-20
PRIOR APPLICATION NUMBER: 60/293,343
PRIOR PILING DATE: 2001-05-24
NUMBER OF SEQ ID NOS: 70
SOFTWARE: FastSEQ for Windows Version 3.0
                                                                                                                                                                                     ; OTHER INFORMATION: Oligonucleotide primer used for PCR.
US-10-151-320-25
                                                                                                                                                                                                                                             Score 13.6; DB 9;
Pred. No. 1.5e+03;
0; Mismatches 4;
      CURRENT APPLICATION NUMBER: US/10/151,320 CURRENT FILING DATE: 2002-05-16 NUMBER OF SEQ ID NOS: 42 SOFTWARE: PastSEQ for Windows Version 4.0 SEQ ID NO 25 LENGTH: 28
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Sequence 41, Application US/10152363A Publication No. US20030103986A1 GENERAL INFORMATION:
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ORGANISM: Artificial Sequence
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                                                                                                                                                ORGANISM: Artificial Sequence
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Best Local Similarity 80.0%;
Matches 16; Conservative
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LENGTH: 29
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                                                                                                                           TYPE: DNA
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ORGANISM: Artificial Sequence
FEATURE:
OTHER INFORMATION: Description of Artificial Sequence: PCR primer to
OTHER INFORMATION: amplify a fragment of the DNA encoding the
OTHER INFORMATION: constant region of human immunoglobulin G1 heavy
OTHER INFORMATION: chain
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; Sequence 39849, Application US/10098263B
; Publication No. US20030104410A1
; GENERAL INFORMATION:
    APPLICANT: Mittman, Michael
; TITLE OF INVENTION: Human Microarray
FILE REFERENCE: 3118.1
; CURRENT PRILING DATE: 2003-01-08
; PRIOR APPLICATION NUMBER: 60/276,759
; PRIOR PILING DATE: 2001-03-16
; NUMBER OF SEQ ID NOS: 131066
; SOFTWARE: Microarray Probe Sequence Listing Generator V 1.1
; ENGTH: 25
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                                                                                APPLICANT: BARABARA, No. US20030103976Alufusa APPLICANT: Haruyama, Hideyuki APPLICANT: Nakabara, Kaori APPLICANT: Nakabara, Kaori APPLICANT: Tamaki, Ikuko APPLICANT: Tamaki, Ikuko APPLICANT: Tamaki, Tohru TITLE OF INVENTION: Anti-Fas Antibodies FILE REFERENCE: 980126CIP/HG CURRENT APPLICATION NUMBER: US/99/499,662 PRIOR PPLICATION NUMBER: US/99/499,662 PRIOR FILING DATE: 2000-02-09 PRIOR FILING DATE: 1998-04-01 NUMBER: OF SEQ ID NOS: 165 LENGTH: 35
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    0; Mismatches
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; Sequence 57306, Application US/10098263B
; Publication No. US20030104410A1
; GENERAL INFORMATION; APPLICANT: Mittman, Michael
                   Sequence 86, Application US/10216484
Publication No. US20030103976A1
GENERAL INFORMATION:
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Best Local Similarity 93.3<sup>3</sup>
Matches 14; Conservative
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US-10-098-263B-39849
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Best Local Similarity
Matches 15; Conserv
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APPLICANT: Bowdish, Katherine S.
APPLICANT: Bowdish, Katherine S.
APPLICANT: Lin, Ying-Chi
APPLICANT: Lin, Ying-Chi
APPLICANT: Wild, Martha
APPLICANT: Wild, Martha
APPLICANT: Workine England
TITLE OF INVENTION:
TITLE OF INVENTION BY
CURRENT APPLICATION NUMBER: US/10/006,591
CURRENT APPLICATION NUMBER: 00/251,440
PRIOR APPLICATION NUMBER: 60/251,440
PRIOR APPLICATION NUMBER: 00/251,440
SOUTH APPLICATION NUMBER: 30001-12-05
NUMBER OF SEQ ID NOS: 14-12-05
SSOFTWARE: Patentin version 3.1
SSO ID NO 8
LERGTH: 33
                                                                                                                                                                             APPLICANT: Macina, Roberto A.
APPLICANT: Macina, Roberto A.
APPLICANT: Mair, Manoj
APPLICANT: Comp. Selyu
ITTLE OF INVENTION: Compositions and Methods Relating to Lung Specific Genes
FILE REFERENCE: DEX-021
CURRENT APPLICATION NUMBER: US/09/909,567B
CURRENT APPLICATION NUMBER: 60/2120
PRIOR PILING DATE: 2001-07-20
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Score 13.4; DB 9; Length 21;
Pred. No. 1.9e+03;
0; Mismatches 1; Indels
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                                                                                     US-09-909-567B-23

: Sequence 23, Application US/09909567B

: Publication No. US20030022257A1

: GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Sequence 8, Application US/10006591 Publication No. US20030049731A1
39 CTGAAGGAGCCCAGATCTTC 20
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                                                                                                                                                                                                                                                                                                                                                                                               NUMBER OF SEQ ID NOS: 56
SOFTWARE: Patentin version 3.1
SEQ ID NO 23
LENGTH: 21
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              TYPE: DNA
ORGANISM: Artificial Sequence
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Best Local Similarity 93.3%;
Matches 14; Conservative (
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Best Local Similarity
Matches 14; Conserv
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      PEATURE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             PEATURE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              RESULT 9
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CTHER INFORMATION: PCR primer US-10-152-363A-43
ORGANISM: Artificial Sequence FEATURE:
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APPLICANT:
APPLICANT:
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                                            FILE REFERENCE: 3118.1

CURRENT APPLICATION NUMBER: US/10/098,263B

CURRENT FILING DATE: 2003-01-08

PRIOR APPLICATION NUMBER: 60/276,759

PRIOR FILING DATE: 2001-03-16

NUMBER OF. SEQ ID NOS: 131066

SOFTWARE: Microarray Probe Sequence Listing Generator V 1.1

SEQ ID NO 57306

LENGTH: 25
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Publication No. US20030103986A1

GENERAL INFORMATION:
APPLICANT RIXON, Mark W.
TITLE OF INVENTION: TACI-Immunoglobulin Fusion Proteins
FILE REFERENCE: 01-05

CURRENT APPLICATION NUMBER: US/10/152,363A

CURRENT FILING DATE: 2002-05-20

PRIOR FILING DATE: 2001-05-24

NUMBER OF SEQ ID NOS: 70

SOFTWARE: FastSEQ for Windows Version 3.0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             September of Septe
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                TITLE OF INVENTION: Human Microarray
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        3 GACAGAGCCCAACTCTTC 20
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             6 gagcgagcccaaarcrrc 23
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               ORGANISM: Artificial Sequence
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Query Match
Best Local Similarity 83.3%;
Matches 15; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                         ; TYPE: DNA
; ORGANISM: Homo sapien
US-10-098-263B-57306
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   RESULT 13
US-10-152-363A-43/c
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LENGTH: 30
TYPE: DNA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      TYPE: DNA
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APPLICANT: Yansura, Daniel
TITLE OF INVENTION: IL-17 HOWOLOGOUS POLYPEPTIDES AND THERAPEUTIC USES THEREOF
FILE REPERENCE: P138ITCLP3 (US)
CURRENT APPLICATION NUMBER: US/09/874,503
CURRENT FILING DATE: 2001-06-05
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Length 30,
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                                                                                       Indels
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Pred. No. 2.3e+03;
0; Mismatches 3;
    2; DB 9;
2.3e+03;
Score 13.2; DE
Pred. No. 2.3e+
0; Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Sequence 31, Application US/09874503
Patent No. US20020177188A1
GENERAL INFORMATION:
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                                                                                                                                                                                        3 GACAGAGCCCAACTCTTC 20
                                                                                                                                                                                                                                                                 19 GAACGAGCCCAAATCTTC 2
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        ; OTHER INFORMATION: PCR primer.
US-10-152-363A-44
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   TYPE: DNA
ORGANISM: Artificial Sequence
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Query Match
Best Local Similarity 83.3%;
Matches 15; Conservative
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Williams, P. Mickey
    Query Match 66.0%;
Best Local Similarity 83.3%;
Matches 15; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           JanLookeren, Menno
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Hymowitz, Sarah G.
Tumas, Daniel
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APPLICANT: Filvaroff, Ellen
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Vandlen, Richard
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Godowski, Paul
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Wood, William
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Fong, Sherman
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PILING DATE: 2001-02-28
APPLICATION NUMBER: US PCT/US00/34956
FILING DATE: 2000-12-20
APPLICATION NUMBER: US PCT/US00/32678
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APPLICATION NUMBER: US PCT/US00/07532
FILING DATE: 2000-03-21
APPLICATION NUMBER: US PCT/US00/05841
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PRIOR APPLICATION NUMBER: US PCT/US99/05028
PRIOR FILING DATE: 1999-03-08
WUMBER OF SEQ ID NOS: 39
LENGTH: 50
TYPE: DNA
ORGANISM: Artificial Sequence
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       APPLICATION NUMBER: US 09/311,832
FILING DATE: 1999-05-14
APPLICATION NUMBER: US PCT/US01/06520
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            FILING DATE: 2000-12-01
APPLICATION WUMBER: US PCT/US00/30873
FILING DATE: 2000-11-10
APPLICATION NUMBER: US PCT/US00/23328
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                FILING DATE: 2000-02-18
APPLICATION WINBER: US PCT/US99/31274
FILING DATE: 1999-12-30
APPLICATION NUMBER: US PCT/US99/10733
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     FILING DATE: 2000-03-02
APPLICATION WINBER: US PCT/US00/05601
FILING DATE: 2000-03-01
APPLICATION NUMBER: US PCT/US00/04341
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APPLICATION NUMBER: US PCT/US00/15264
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          CATION NUMBER: US 09/854,208
NG DATE: 2001-05-10
ICATION NUMBER: US 09/854,280
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               ICATION NUMBER: US 09/644,848
NG DATE: 2000-08-22
ICATION NUMBER: US 09/380,142
NUMBER: US 60/253,646
                                                                                                                                                 NG DATE: 2000-10-24
ICATION NUMBER: US 60/175,481
                                                                                                                                                                                                                 NG DATE: 2000-01-11
ICATION NUMBER: US 60/191,007
                                                                                                                                                                                                                                                                                                                                                                                                   FILING DATE: 1999-12-23
APPLICATION NUMBER: US 60/138,387
                                                                                                                                                                                                                                                                                                                                                                                                                                                                G DATE: 1999-06-09
CATION NUMBER: US 60/134,287
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              LING DATE: 1999-05-14
PLICATION NUMBER: US 60/131,022
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           NG DATE: 1999-04-26
ICATION NUMBER: US 60/130,232
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     DATE: 1999-04-21
ATION NUMBER: US 60/113,621
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CATION NUMBER: US 60/085,579
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ICATION NUMBER: US 09/816,744
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ICATION NUMBER: US 09/747,259
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                                                                                                                                                                                                                                                                               NG DATE: 2000-03-21
ICATION NUMBER: US 60/213,807
                                                                                                                                                                                                                                                                                                                                            NG DATE: 2000-06-22
ICATION NUMBER: US 60/172,096
                                                                NUMBER: US 60/244,072
                                                                                                                             CATION NUMBER: US 60/242,837
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; PEATURE:
; OTHER INFORMATION: Synthetic Oligonucleotide Probe
US-09-874-503-31
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Query Match 66.0%; Score 13.2; DB 9; Length 50; Best Local Similarity 83.3%; Pred. No. 2.3e+03; Matches 15; Conservative 0; Mismatches 3; Indels 0; Gaps

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 Search completed: June 25, 2003, 22:25:04 Job time : 61.7968 secs

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Sequence:

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/cgn2_6/ptodata/2/pna/US102B_COMB.seq:
GenCore version 5.1.6
Copyright (c) 1993 - 2003 Compugen Ltd.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     24791104 segs, 12571243825 residues
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Maximum Match 100%
Listing first 45 summaries
                                                                                                                    - nucleic search, using sw model
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Gapop 10.0 , Gapext 1.0
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Perfect score:
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ptodata/2/pna/US6006_COMB.
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ptodata/2/pna/US6015_COMB.
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Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

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us-08-770-564a-6.rnpm

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Sequence 6, Application US/08770564A
GENERAL INFORMATION:
APPLICANT: Kealer, James T.
APPLICANT: Wainrich, Scott L.
TITLE OF INVENTION: Inhibitory Polynucleotides Directed
TITLE OF INVENTION: Inhibitory Polynucleotides Directed
TITLE OF INVENTION: Against the RNA Component of Telomerase
NUMBER OF SEQUENCES: 15
CORRESPONDENCE ADDRESS:
ADDRESSEE: TOWNSEND and TOWNSEND and CREW LLP
STREET: Two Embarcadero Center, 8th Floor
                                                                                                                                                                                                                                                                                                           Query Match
100.0%; Score 20; DB 1; Length 20;
Best Local Similarity 100.0%; Pred. No. 22;
Matches 20; Conservative 0; Mismatches 0; Indels
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CONNTRY: USA
ZID: 94111
COMPUTER: EADABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/770,564A
FILING DATE: 20-DEC-1996
CHASSIFICATION: 514
                                                                                                                                                                    NAME/KEY: -
1.20
1.20ATION: 1..20
PCT-US97-23619-6
PCT-US97-23619-6
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NAME: Storella, John R.
REGISTRATION NUMBER: 32,944
REFRENCE/DOCKET NUMBER: 01531
TELECOMMUNICATION INFORMATION:
TELEPHONE: 415-576-0200
                                                                                                                                                                                                                                                                                                                                                                                                                              1 CTGACAGAGCCCAACTCTTC 20
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  LENGTH: 20 base pairs
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INFORMATION FOR SEQ ID NO:
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STRANDEDNESS: single
                                TYPE: nucleic acid
STRANDEDNESS: single
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                                                                                        linear
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Best Local Similarity
Matches 20; Conserv
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                                                                                        TOPOLOGY:
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PCT-US97-23619-5
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Sequence 394270,
Sequence 97310, P
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Sequence 271024,
Sequence 143419,
Sequence 67313, 7
Sequence 271024,
Sequence 271024,
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US-09-198-452A-5017
US-09-396-196F-119131
US-09-660-220-66821
US-09-660-220-66822
US-09-660-220-66822
US-09-954-427-394270
US-60-232-638-97310
US-60-232-638-97310
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US-09-733-956-3
US-09-953-125A-22
US-09-953-125A-22
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US-09-953-126-14019
US-09-954-427-160140
US-09-954-427-271024
US-60-233-166-160140
US-60-233-166-160140
US-60-233-166-160140
US-60-233-166-160140
US-60-233-166-160140
US-60-233-166-160140
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US-60-353-987-527778
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REGISTRATION NUMBER: 32,944
REGISTRATION NUMBER: 15389-27PC
TELECOMMUNICATION INFORMATION:
TELEPHONE: (41s) 576-0200
TELEPHONE: (41s) 576-0300
TELEPHONE: SEQ ID NO: 6:
SEQUENCE CHARACTERISTICS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Sequence 6, Application PC/TUS9723619 GENERAL INFORMATION:
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PCT-US97-23619-6
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                                                                                                                                                                   100.0%; Score 20; DB 11; Length 20; 100.0%; Pred. No. 22;
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015389-002200US
                                                                                                                                                                                             0; Mismatches
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CORRESPONDENCE ADDRESS:
ADDRESSEE: Townsend and Townsend and Crew
STREET: One Market Plaza, Steuart Tower, Suite 2000
CITY: San Prancisco
STATE: California
COUNTRY: USA
                                                                                                                                                                              CURRENT APPLICATION DATA:
SOSTWARE: Patentin Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/770,564A
FILING DATE: 20-DEC-1996
CLASSIFICATION: 514
ATTOREY/AGENT INFORMATION:
NAME: Storalla, John R.
REGISTRATION NUMBER: 32,944
REPERRINGS/DOCKET NUMBER: 015389-002200US
TELEFORMUNICATION INFORMATION:
TELEFORMUNICATION INFORMATION:
TELEFORMUNICATION INFORMATION:
TELEFORMUNICATION INFORMATION:
TELEFORM: 415-576-0200
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      ZIP: 94105
ZIP: 94105
COMPUTER READABLE FORM:
MEDIUM TYPE: Ploppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/521,634
     TOWNSEND and TOWNSEND and CREW LLP
                     STREET: Two Embarcadero Center, 8th Floor CITY: San Francisco
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Sequence 15, Application US/08521634
GENERAL INFORMATION:
APPLICANT: Villeponteau, Bryant
APPLICANT: Funk, Walter
APPLICANT: Andrews, William
TITLE OF INVENTION: Mammalian Telomerase
NUMBER OF SEQUENCES: 66
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  APPLICATION NUMBER: US/08/521,634
FILING DATE: 31-AUG-1995
CLASSIFICATION: 435
PRIOR APPLICATION DATA.
APPLICATION NUMBER: US 08/482,115
FILING DATE: 7-JUN-1995
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/472,802
FILING DATE: 7-JUN-1995
PRIOR APPLICATION DATA:
                                                                                                                                               COMPUTER: IBM PC compatible OPERATING SYSTEM: PC-DOS/MS-DOS
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                                                                                                            COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
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INFORMATION FOR SEQ ID NO:
SEQUENCE CHARACTERISTICS:
LENGTH: 30 base pairs
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                MOLECULE TYPE: DNA
                                                                           USA
 ADDRESSEE:
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                                                                                                                                                   Methods for Detecting and Inhibiting the RNA Component of Telomerase
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APPLICANT: Realey, James T.
APPLICANT: Pruzan, Ron
APPLICANT: Weinrich, Scott L.
TITLE OF INVENTION: Inhibitory Polynucleotides Directed
TITLE OF INVENTION: Against the RNA Component of Telomerase
CORRESPONDENCE ADDRESS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    100.0%; Score 20; DB 1; Length 30; 100.0%; Pred. No. 22; cive 0; Mismatches 0; Indels
                                                                                                                                                                                        NAME/KEY: -
LOCATION: 1..30
OTHER INPORMATION: /note= "oligo 16"
PCT-US97-23619-5
Sequence 5, Application PC/TUS9723619 GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Sequence 5, Application US/08770564A GENERAL INFORMATION:
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                                                                     APPLICANT:
APPLICANT:
APPLICANT:
APPLICANT:
TITLE OF INVENTION: Methods
TITLE OF INVENTION: RNA COME
NUMBER OF SEQUENCES: 29
CORRESPONDENCE ADDRESS:
ADDRESSEE: Townsend and IC
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Query Match
Best Local Similarity 100.0
Matches 20; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           TYPE: nucleic acid
STRANDEDNESS: single
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    linear
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Gaps
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Query Match 100.0%; Score 20; DB 11; Length 30; Best Local Similarity 100.0%; Pred. No. 22; Matches 20; Conservative 0; Mismatches 0; Indels
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APPLICANT: Michael Mittmann
APPLICANT: David Mack
APPLICANT: David Lockhart
APPLICANT: Affymetrix, Inc.
TITLE OF INVENTION: Methods of Genetic Analysis
FILE REFERENCE: 3101.1
CURRENT APPLICATION NUMBER: US/09/396,196F
CURRENT APPLICATION NUMBER: 60/100,678
FRIOR APPLICATION NUMBER: 60/100,678
PRIOR APPLICATION NUMBER: 60/100,678
PRIOR PILING DATE: 1998-09-17
NUMBER OF SEQ ID NOS: 127806
SOFTWARE: FastSEQ for Windows Version 4.0
SEQ ID NO 124326
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APPLICANT: David Mack
APPLICANT: David Mack
APPLICANT: David Lockhart
APPLICANT: Affwaetix, Inc.
TITLE OF INVENTION: Methods of Genetic Analysis
FILE REFERENCE: 3101.1
CURRENT APPLICATION NUMBER: US/09/396,196G
                                    PFILING MAIN DATA:
APPLICATION DATA:
APPLICATION NUMBER: US 08/272,102
FILING DATE: 7-401-1994
ATTORNEY AGENT INFORMATION:
NAME: Dunn, Tracy J.
REGISTRATION NUMBER: 15389-000850
TELECOMMUNICATION INFORMATION:
TELECOMMUNICATION INFORMATION:
TELEPRONE: 415-326-2400
TELEPRONE: 415-326-2400
INFORMATION FOR SEQ ID NO: 15:
SEQUENCE CHARACTERISTICS:
LENGTH: 24 base pairs
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          0; Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Query Match 90.0%; Score 18; DB Best Local Similarity 100.0%; Pred. No. 2.; Matches 18; Conservative 0; Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Sequence 124326, Application US/09396196G GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Sequence 124326, Application US/09396196F GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                  , MOLECULE TYPE: DNA (oligonucleotide) US-08-521-634-15
APPLICATION NUMBER: US 08/330,123 FILING DATE: 27-OCT-1994
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        2 TGACAGACCCCAACTCTTC 20
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Best Local Similarity 89.5%;
Matches 17; Conservative
                                                                                                                                                                                                                                                                                                                                                 TYPE: nucleic acid
STRANDEDNESS: single
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         ; ORGANISM: mus musculus US-09-396-196F-124326
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APPLICANT: Lexigen Pharmaceuticals Corp.
APPLICANT: Gillies, Stephen
APPLICANT: Gillies, Stephen
APPLICANT: Way, Jeffrey
TITLE OF INVENTION: Expression Technology for Proteins Containing a Hybrid Isotype An
TITLE OF INVENTION: Moiety
FILE REPERENCE: LEX-016PC
CURRENT APPLICATION WINBER: 2002-03-07
PRICH APPLICATION NUMBER: US 60/274,096
PRICH FILING DATE: 2001-03-07
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TITLE OF INVENTION: Methods of Genetic Analysis of Probes: HG-U133
FILE REFERENCE: 3121
CURRENT APPLICATION NUMBER: US/60/353,987
CURRENT PILING DATE: 2002-02-01
NUMBER OF SEQ ID NOS: 997516
SOFTWARE: Microarray Probe Sequence Listing Generator V 1.1
SEQ ID NO 992959
LENGTH: 25
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Score 14.8; DB 79;
Pred. No. 8.4e+03;
0; Mismatches 2;
                                                                                                                                                                                                                  Score 15.8; DB 17;
Pred. No. 2.7e+03;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Score 14.4; DB 1;
Pred. No. 1.3e+04;
0; Mismatches 1;
                                                                                                                                                                                                                                                                0; Mismatches
PRIOR APPLICATION NUMBER: 60/100,678
PRIOR FILING DATE: 1998-09-17
NUMBER OF SEQ ID NOS: 127806
SOFTWARE: FastSEQ for Windows Version 4.0
SEQ ID NO 124326
LENGTH: 25
                                                                                                                                                                                                                                                                                                                                                                                                                                          US-60-353-987-992959
; Sequence 992959, Application US/60353987
; GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Sequence 22, Application PC/TUS0207011 GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                             2 TGACAGAGCCCAAGTCCTC 20
                                                                                                                                                                                                                                                                                                           2 TGACAGAGCCCAACTCTTC 20
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ORGANISM: artificial sequence
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             NUMBER OF SEQ ID NOS: 50
SOFTWARE: Patentin version 3.0
SEQ ID NO 22
LENGTH: 19
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Best Local Similarity 93.8%;
Matches 15; Conservative
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Best Local Similarity 89.5%;
Matches 17; Conservative
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Best Local Similarity 88.99
Marches 16; Conservative
                                                                                                                               TYPE: DNA
CRGANISM: mus musculus
US-09-396-196G-124326
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US-60-353-987-992959
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GENERAL INFORMATION:
APPLICANT: Mittmann
APPLICANT: Mittmann
TITLE OF INVENTION:
FILE OF INVENTION: Genome
FITLE OF INVENTION Genome
CURRENT APPLICATION NUMBER: US/09/954,427
CURRENT FILING DATE: 2001-09-17
NUMBER OF SEQ ID NOS: 420907
SOFTWARE: FastSEQ for Windows Version 4.0
SEQ ID NO 80617
LENGTH: 25
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APPLICANT: Affymetrix, Inc.
TITLE OF INVENTION: Methods of Genetic Analysis of Human
FILE REPERENCE: 3102.1
CURRENT APPLICATION NUMBER: US/09/660,220
CURRENT PILING DATE: 2000-09-12
PRIOR APPLICATION NUMBER: 60/164,973
PRIOR FILING DATE: 1999-11-11
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Score 14.2; DB 26;
Pred. No. 1.7e+04;
0; Mismatches 3;
                                                                                                                                                                                                                                                                                                                                                                                  71.0%; Score 14.2; DB 17;
84.2%; Pred. No. 1.7e+04;
APPLICANT: David Mack
APPLICANT: David Lockhart
APPLICANT: Affymetrix, Inc.
TITLE OF INVENTION: Methods of Genetic Analysis
FILE REFERENCE: 3101.1
CURRENT APPLICATION NUMBER: US/09/396,196G
CURRENT FILING DATE: 1999-09-15
PRIOR APPLICATION NUMBER: 60/100,678
PRIOR PILING DATE: 1998-09-17
NUMBER OF SEQ ID NOS: 127806
SOFTWARE: FastSEQ for Windows Version 4.0
                                                                                                                                                                                                                                                                                                                                                                                                                             0; Mismatches
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SOFTWARE: FastSEQ for Windows Version 4.0
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DATABASE ACCESSION NUMBER: GenBank U73824
US-09-660-220-102700
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            ; Sequence 102700, Application US/09660220; GENERAL INFORMATION:
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84.2%;
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Best Local Similarity 84.2
Best Local 5; Conservative
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Best Local Similarity 84.2
Matches 16; Conservative
                                                                                                                                                                                                                                                                                                                    ORGANISM: Mus musculus
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US-09-660-220-102700
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LENGTH: 25
                                                                                                                                                                                                                                               SEQ ID NO 9984
LENGTH: 25
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TITLE OF INVENTION: Expression Technology for Proteins Containing a Hybrid Isotype An
TITLE OF INVENTION: Moiety
CURRENT APPLICATION NUMBER: US/10/093,958
CURRENT FILING DATE: 2002-03-07
NUMBER OF SEQ ID NOS: 50
SOFTWARE: Patentin version 3.0
SEQ ID NO 22
LENGTH: 19
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| Sequence 9984, Application US/09396196F
| GENERAL INFORMATION |
| APPLICANT: Michael Mittmann |
| APPLICANT: David Mack |
| APPLICANT: David Lockhart |
| APPLICANT: Affymetrix, Inc. |
| TITLE OF INVENTION: Methods of Genetic Analysis |
| FILE REFRENCE: 3101.1 |
| CURRENT APPLICANTION NUMBER: US/09/396,196F |
| FRIOR APPLICATION NUMBER: 60/100,678 |
| PRIOR APPLICATION NUMBER: 60/100,678 |
| PRIOR APPLICATION NUMBER: 60/100,678 |
| PRIOR APPLICATION NUMBER: 60/100,678 |
| ROWENT FILING DATE: 1998-09-17 |
| NUMBER OF SEQ ID NOS: 127806 |
| SEQ ID NO 9984 |
| LENGTH: 25 |
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Pred. No. 1.7e+04;
0; Mismatches 3;
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US-09-396-196G-9984/c
; Sequence 9984, Application US/09396196G
; GENERAL INPORMATION:
; APPLICANT: Michael Mittmann
                                                                                                                                                     Sequence 22, Application US/10093958 GENERAL INFORMATION:
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84.2%;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               4 CAGAGCCCAAATCTTC 19
                                                                                                                                                                                                   APPLICANT: Gillies, Stephen
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Best Local Similarity 84.2
Matches 16; Conservative
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US-09-396-196F-9984
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                                                                                                                           Query Match 71.0%; Score 14.2; DB 36; Length 25; Best Local Similarity 84.2%; Pred. No. 1.7e+04; Matches 16; Conservative 0; Mismatches 3; Indels (
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       APPLICANT: Affirmetrix, Inc.
TITLE OF INVENTION: Methods of Genetic Analysis of the Rat
TITLE OF INVENTION: Genome
TITLE OF INVENTION: Genome
FILE PEPERBRUCE: 3112
CURRENT APPLICATION NUMBER: US/09/954; 427
CURRENT FILING DATE: 2001-09-17
NUMBER OF SEQ ID NOS: 420907
SOFTWARE: FastSEQ for Windows Version 4.0
SEQ ID NO 304491
LENGTH: 25
; ORGANISM: Rattus norvegicus
; PUBLICATION INFORMATION:
; DATTABASE ACCESSION NUMBER: Genbank AA819663
US-09-954-427-80617
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              ORGANISM: Rattus norvegicus

PUBLICATION INFORMATION:

DATABASE ACCESSION NUMBER: Genbank D13966

US-09-954-427-304491
                                                                                                                                                                                                                                                                                                                                                                                                          Sequence 304491, Application US/09954427
GENERAL INFORMATION:
APPLICANT: Mittmann
                                                                                                                                                                                                                                      1 CTGACAGAGCCCAACTCTT 19
                                                                                                                                                                                                                                                                                                                                                                    RESULT 15
US-09-954-427-304491
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Search completed: June 25, 2003, 06:20:24 Job time : 1698.67 secs

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GenCore version 5.1.6
Copyright (c) 1993 - 2003 Compugen Ltd.
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OM nucleic - nucleic search, using sw model

June 25, 2003, 13:28:55 ; Search time 477.769 Seconds (without alignments) 292.710 Million cell updates/sec Run on:

US-08-770-564A-6 20 Title: Perfect score:

1 CTGACAGAGCCCAACTCTTC 20 Sequence:

Gapop 10.0 , Gapext 1.0 IDENTITY NUC Scoring table:

7860393 segs, 3496198572 residues Searched:

8677950 Total number of hits satisfying chosen parameters:

Minimum DB seq length: 0 Maximum DB seq length: 50

Post-processing: Minimum Match 0% Maximum Match 100% Listing first 45 summaries

Database :

Pending Patents NA New: *

1: /cgn2 6/ptodata/1/pna/PCT NEW COMB. Beq: *

2: /cgn2 6/ptodata/1/pna/USO6_NEW COMB. Beq: *

3: /cgn2 6/ptodata/1/pna/USO6_NEW COMB. Beq: *

4: /cgn2 6/ptodata/1/pna/USO8_NEW COMB. Beq: *

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6: /cgn2 6/ptodata/1/pna/USO8_NEW COMB. Beq: *

7: /cgn2 6/ptodata/1/pna/USO8_NEW COMB. Beq2: *

8: /cgn2 6/ptodata/1/pna/USO8_NEW COMB. Beq3: *

9: /cgn2 6/ptodata/1/pna/USO8_NEW COMB. Beq2: *

10: /cgn2 6/ptodata/1/pna/USO8_NEW COMB. Beq2: *

11: /cgn2 6/ptodata/1/pna/USO8_NEW COMB. Beq2: *

12: /cgn2 6/ptodata/1/pna/USO8_NEW COMB. Beq2: *

12: /cgn2 6/ptodata/1/pna/USO8_NEW COMB. Beq2: *

13: /cgn2 6/ptodata/1/pna/USO8_NEW COMB. Beq2: *

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

-	No. Score		Match Length DB	ņ	ID	Description
ט	1 20	100.0	23	-	PCT-US03-04088-522	Sequence 522, App
υ	2 19	95.0	21	-	PCT-US03-04088-540	
	3 . 19	95.0	21	_	PCT-US03-04088-544	Sequence 544, App
υ	4 19	95.0	21	_	PCT-US03-04088-548	Sequence 548, App
	5 19	95.0	21	_	PCT-US03-04088-552	Sequence 552, App
υ	6 19	95.0	21	-	PCT-US03-04088-556	Sequence 556, App
	7 19	95.0	21	_	PCT-US03-04088-560	Sequence 560, App
υ	8 18	90.0	19	_	PCT-US03-04088-23	23, A
	9 18	90.0	19	-	PCT-US03-04088-287	287,
7	0 15.8	79.0	25	12	US-60-427-808-503841	Sequence 503841,
-	1 14.8	74.0	25	6	US-10-355-577-992959	Sequence 992959,
-	2 14.8	74.0	25	12	US-60-427-808-449334	Sequence 449334,
-	3 14.8	74.0	25	12	US-60-427-836-142384	Sequence 142384,
0	4 14.8	74.0	25	12	US-60-427-836-603511	Sequence 603511,
0	5 14.4	72.0	25	12	US-60-427-836-166946	Sequence 166946,
_	6 14.4	72.0	25	12	US-60-427-836-359518	Sequence 359518,
1	7 14.2	71.0	25	9	US-09-660-222-102700	Sequence 102700,
0	8 14.2	71.0	25	σ	US-10-355-577-592670	Sequence 592670,
U U	9 14.2	71.0	25	σ	US-10-355-577-736046	Sequence 736046,
7	0 14.2	71.0	25	σ	US-10-355-577-870013	Sequence 870013,

Sequence 420907,	Sequence 423385,	Sequence 467623,	Sequence 503840,	Sequence 764602,	Sequence 3806, Ap	Seguence 47221, A	Sequence 699316,	Seguence 529892,	Seguence 5017, Ap	Sequence 66821, A	Sequence 66822, A	Sequence 66827, A	Sequence 97309, A	Sequence 738193,	Seguence 99506, A	Sequence 104960;	Sequence 263712,	Sequence 317845,	Sequence 461772,	Seguence 589800,	Sequence 258, App		Seguence 316656,	Sequence 13, Appl
US-60-427-808-420907	US-60-427-808-423385	US-60-427-808-467623	US-60-427-808-503840	US-60-427-808-764602	US-10-349-143-3806	US-60-427-808-47221	US-60-427-808-699316	US-60-427-836-529892	US-10-289-762-5017	US-09-660-222-66821	US-09-660-222-66822	US-09-660-222-66827	US-09-953-570-97309	US-10-355-577-738193	US-60-427-808-99506	US-60-427-808-104960	US-60-427-808-263712	US-60-427-808-317845	US-60-427-808-461772	US-60-427-808-589800	US-60-427-836-258	US-60-427-836-78476	US-60-427-836-316656	US-10-372-730-13
12	12	12	12	12	0	12	12	12	10	9	9	9	7	0	12	12	12	12	12	12	12	12	12	10
25	25	25	52	25	47	52	52	25	20	25	. 52	25	25	25	25	25	25	25	25	25	25	25	25	23
71.0	71.0	71.0	71.0	71.0	71.0	70.0	70.0	70.0	0.69	0.69	0.69	0.69	69.0	0.69	0.69	69.0	0.69	0.69	69.0	0.69	0.69	0.69	0.69	68.0
14.2	14.2	14.2	14.2	14.2	14.2	14	14		13.8	13.8	13.8	13.8	13.8	13.8	13.8	13.8	13.8	13.8	13.8	13.8	13.8	13.8	13.8	13.6
c 21	c 55	c 23	24	25	56	27	28	c 29	c 30		c 32	c 33	c 34	35	c 36	c 37	38 0	39	40	41	c 42	c 43	44	45

ALIGNMENTS

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FEATURE:

OTHER INFORMATION: Description of Artificial Sequence: Target sequence/sinA sense;

OTHER INFORMATION: region

PCT-US03-04088-522
gequence 522, Application PC/TUS0304088

gequence 522, Application PC/TUS0304088

gequence 522, Application PC/TUS0304088

gequence 522, Application

gequence 5222, Application

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ORGANISM: Artificial
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LENGTH: 23
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ö Gaps ö Query Match 100.0%; Score 20; DB 1; Length 23; Best Local Similarity 100.0%; Pred. No. 3.3; Matches 20; Conservative 0; Mismatches 0; Indels

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NAME/KEY: misc_feature LOCATION: (20)..(21)
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ORGANISM: Artificial
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ORGANISM: Artificial
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                                                                                                                                                                                                                                                                                                                        APPLICANT: MCSWiggen, James
APPLICANT: MCSWiggen, James
APPLICANT: Beigelman, Leonid
TITLE OF INVENTION: RNA Interference Mediated Inhibition of Telomerase Gene
TITLE OF INVENTION: RNA Interference Mediated Inhibition of Telomerase Gene
TITLE OF INVENTION: RNA INTERFERENCE: 02-708-A (400/080)
CURRENT APPLICATION NUMBER: QC/196,600
PRIOR PILING DATE: 2002-07-17
PRIOR PILING DATE: 2002-07-17
PRIOR PILING DATE: 2002-03-11
PRIOR PLICATION NUMBER: US 60/356,580
PRIOR PLICATION NUMBER: US 60/363,124
PRIOR PLICATION NUMBER: US 60/366,782
PRIOR PLICATION NUMBER: US 60/406,784
PRIOR PLICATION NUMBER: US 60/406,784
PRIOR FILING DATE: 2002-06-06
PRIOR PLICATION NUMBER: US 60/406,784
PRIOR FILING DATE: 2002-09-05
PRIOR PLICATION NUMBER: US 60/409,378
PRIOR FILING DATE: 2002-09-05
PRIOR PLING DATE: 2002-09-09
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GENERAL INFORMATION:
APPLICANT: Ribozyme Pharmaceuticals, Inc.
APPLICANT: McSwiggen, James
APPLICANT: McSwiggen, James
APPLICANT: Beigelman, Leonid
TITLE OF INVENTION: RNA Interference Mediated Inhibition of Telomerase Gene
TITLE OF INVENTION: Expression Using Short Interfering RNA (sina)
FILE REFERENCE: 02-708-A (400/080)
CURRENT APPLICATION NUMBER: PCT/US03/04088
CURRENT FILING DATE: 2003-04-28
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      OTHER INFORMATION: Description of Artificial Sequence: sinA sense region
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COTHER INFORMATION: n stands for thymidine PCT-US03-04088-540
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PRIOR FILING DATE: 2002-07-17
PRIOR PAPLICATION NUMBER: US 60/358,580
PRIOR FILING DATE: 2002-20
                                                                                                                                                                                                                                                                   GENERAL INFORMATION:
APPLICANT: Ribozyme Pharmaceuticals, Inc.
                                                                                                                                                                                                                                       Sequence 540, Application PC/TUS0304088
1 CTGACAGAGCCCAACTCTTC 20
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NUMBER OF SEQ ID NOS: 626
SOFTWARE: PatentIn version 3.2
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ORGANISM: Artificial
                                                                                                                                                                                                    -US03-04088-540/c
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PRIOR APPLICATION NUMBER: 18 6/186,792
PRIOR PRINCADE NATE: 2002-65-06
PRIOR APPLICATION NUMBER: 18 6/146,794
PRIOR PRINCADE NUMBER: 18 6/146,794
PRIOR APPLICATION NUMBER: 18 6/140,233
PRIOR PRINCAD NUMBER: 18 6/140,233
PRIOR PRINCAD NUMBER: 18 6/140,129
PRIOR PRINCAD NUMBER: 18 6/140,139
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Gaps
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NAMB/KEX: misc feature
LOCATION: (21) - (21)
OTHER INFORMATION: 3'-3 attached terminal deoxyabasic moeity
PCT-US03-04088-548
OTHER INFORMATION: 5'-3 attached terminal deoxyabasic moeity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          DB 1; Length 21;
11;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Query Match 95.0%; Score 19; DB Best Local Similarity 100.0%; Pred. No. 11; Matches 19; Conservative 0; Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           NAME/KEY: misc feature
LOCATION: (20)...(21)
OTHER INFORMATION: n stands for thymidine
                                                                                                                                                                                         FEATURE:
NAME/KEY: misc_feature
LOCATION: (12) .. (15)
OTHER INFORMATION: 2'-deoxy-2'-fluoro
                                                                                                             LOCATION: (7). (8)
OTHER INFORMATION: 2'-deoxy-2'-fluoro
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OTHER INFORMATION: 2'-deoxy-2'-fluoro
                                                                                                                                                                                                                                                                                                                                                                                                                                                  LOCATION: (17)..(18)
OTHER INFORMATION: 2'-deoxy-2'-fluoro
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                                     FEATURE:
NAME/KEY: misc_feature
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LOCATION: (17)..(18)
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Target sequence/siNA sense
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LOCATION: (20)...(20)
OTHER INFORMATION: Phosphorothioate 3'-Internucleotide Linkage
                                                                                                                                                                                                                                        Length 21;
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OTHER INFORMATION: Description of Artificial Sequence:
OTHER INFORMATION: region
                                                                                                                                                                                                                                                                4; Mismatches
                                                                                                                                                                                       LOCATION: (20)...(21)
CTHER INFORMATION: n stands for thymidine PCT-US03-04088-552
                                                                  FEATURE:
NAME/KEY: misc_feature
LOCATION: (14)...(19)
OTHER INFORMATION: 2'-deoxy-2'-fluoro
FEATURE:
                                                                                                                                                                                                                                                                                                                                                        PCT-US03-04088-556/c
; Sequence 556, Application PC/TUS0304088
; GENERAL INFORMATION:
LOCATION: (4)..(4)
OTHER INFORMATION: 2'-deoxy-2'-fluoro
                     FEATURE:
NAME/KEY: misc_feature
LCCATION: (9). (11)
OTHER INFORMATION: 2'-deoxy-2'-fluoro
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                                                                                                                                                                                                                                        95.0%;
78.9%;
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OTHER INFORMATION: 2'-deoxy
FEATURE:
                                                                                                                                                                                                                                     Query Match
Best Local Similarity 78.9°
Matches 15; Conservative
                                                                                                                                                                             NAME/KEY: misc feature
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ORGANISM: Artificial
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OTHER INFORMATION: Description of Artificial Sequence: Target sequence/sinA OTHER INFORMATION: antisense region
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: LOCATION: (20)

: LOCATION: (20)

: OTHER INPORMATION: Phosphorothioate 3'-Internucleotide Linkage

PCT-US03-04088-560
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Pred. No. 11;
4; Mismatches
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OTHER INFORMATION: n stands for thymidine
                                                                                                                                                                                                                                                                                                                             NAME/KEY: misc feature
LOCATION: (1). (1).
OTHER INFORMATION: 2'-deoxy-2'-fluoro
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LOCATION: (4)..(4)
OTHER INFORMATION: 2'-deoxy-2'-fluoro
FEATURE:
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OTHER INFORMATION: 2'-deoxy-2'-fluoro
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INFORMATION: 2'-deoxy-2'-fluoro
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                              NUMBER OF SEQ ID NOS: 626
SOFTWARE: Patentin version 3.2
SEQ ID NO 560
LENGTH: 21
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Best Local Similarity 78.9%;
Matches 15; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                  FEATURE:
NAME/KEY: misc_feature
LOCATION: (2)...(3)
OTHER INFORMATION: 2'-deoxy
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LOCATION: (5).7(8)
OTHER INFORMATION: 2'-deoxy
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OTHER INFORMATION: 2'-deoxy
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                                                                                                                                                                             ORGANISM: Artificial
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sequence 560, Application PC/TUS0304088

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general England Sequence S
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                           LOCATION: (1)..(1)
OTHER INFORMATION: 5'-3 attached terminal deoxyabasic moeity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         ; IOCATION: (21)...(21)
; OTHER INFORMATION: 3'-3 attached terminal deoxyabasic moeity
PCT-US03-04088-556
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            DB 1; Length 21; 11;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     NAME/KEY: misc feature
LOCATION: (20)...(21)
OTHER INFORMATION: n stands for thymidine
                                                                                                                                               LOCATION: (7). . (8)

STHER INFORMATION: 2'-deoxy-2'-fluoro
                                                                                                                                                                                                                                                                                                                                                                                    LOCATION: (12)...(15)
OTHER INFORMATION: 2'-deoxy-2'-fluoro
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INFORMATION: 2'-deoxy-2'-fluoro
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LOCATION: (16)...(16)
OTHER INFORMATION: 2'-deoxy
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OTHER INFORMATION: 2'-deoxy
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NAME/KEY: misc_feature
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TITLE OF INVENTION: Methods of Genetic Analysis of Probes: HG-U133
FILE REFERENCE: 3121
CURRENT APPLICATION NUMBER: US/10/355,577
CURRENT PILLING DATE: 2003-01-31
NUMBER OF SEQ ID NOS: 997516
SOFTWARE: Microarray Probe Sequence Listing Generator V 1.1
SEQ ID NO 92259
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                                                                                                                                                                                                                                                                                                                                                      APPLICANT: Xue Medi Zhou
TITLE OF INVENTION: Methods of Genetic Analysis of Mouse
FILE REFERENCE: 3528
CURRENT APPLICATION NUMBER: US/60/427,808
CURRENT FILING DATE: 2002-11-20
NUMBER OF SEQ ID NOS: 982914
SOFTWARE: Microarray Probe Sequence Listing Generator V 1.1
SEQ ID NO 503841
LENGTH: 25
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GENERAL INFORMATION:
APPLICANT: Xue Mei Zhou
TITLE OF INVENTION: Methods of Genetic Analysis of Mouse
FILE REFERENCE: 3528
CURRENT PELLING DATE: 2002-11-20
NUMBER OF SEQ ID NOS: 982914
SOFTWARE: Microarray Probe Sequence Listing Generator V 1.1
SEQ ID NO 449334
LENGTH: 25
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                      Indels
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Pred. No. 4.8e+02;
                   Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           0; Mismatches
                                                                                                                                                                                                                                    RESULT 10
US-60-427-808-503841
; Sequence 503841, Application US/60427808
; GENERAL INFORMATION:
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Best Local Similarity 89.5%;
Matches 17; Conservative C
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Best Local Similarity 88.9
Matches 16; Conservative
                   15; Conservative
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; ORGANISM: Mus musculus
US-60-427-808-503841
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US-10-355-577-992959
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US-10-355-577-992959
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US-60-427-808-449334
                   Matches
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             OTHER INFORMATION: Description of Artificial Sequence: Target sequence/sinA sense; OTHER INFORMATION: region
PCT-US03-04088-23
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GENERAL INFORMATION:

APPLICANT: Biologyme Paramecuticals, Inc.

APPLICANT: Biologyme Paramecuticals, Inc.

APPLICANT: Beigelman, Leonid

TITLE OF INVENTION: RAY Interference Mediated Inhibition of Telomerase Gene

TITLE OF INVENTION: Expression Using Short Interfering RNA (siNA)

TITLE OF INVENTION: Expression Using Short Interfering RNA (siNA)

TITLE OF INVENTION: Expression Using Short Interfering RNA (siNA)

TITLE OF INVENTION: Boyles PROFESSION OF PROFESSION USING SHORE PROFESSION OF PROF
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PCT-US03-04088-287
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Pred. No. 34;
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90.0%; Score 18; DB
Best Local Similarity 100.0%; Pred. No. 34;
Matches 18; Conservative 0; Mismatches
PRIOR APPLICATION NUMBER: US 60/363,124
PRIOR FILING DATE: 2002-03-11
PRIOR PILING DATE: 2002-03-11
PRIOR APPLICATION NUMBER: US 60/406,784
PRIOR APPLICATION NUMBER: US 60/406,784
PRIOR FILING DATE: 2002-06-20
PRIOR FILING DATE: 2002-09-05
PRIOR FILING DATE: 2002-09-05
PRIOR PILING DATE: 2002-09-05
PRIOR APPLICATION NUMBER: US 60/440,129
PRIOR PILING DATE: 2002-09-09
PRIOR FILING DATE: 2003-01-15
NUMBER OF SEQ ID NOS: 626
SOFTWARE: PATENTIN VERSION 3.2
SEQ ID NO 23
LENGTH: 19
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83.3%;
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Best Local Similarity
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NUMBER OF SEQ ID NOS: 699466
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Us-60-427-836-603511/c
is Sequence 603511, Application US/60427836
i GENERAL INFORMATION:
i APPLICANT: Vale Mei Zhou
i TITLE OF INVENTION: Methods of Genetic Analysis of Rat
i PILE REFERENCE: 3527
CURRENT APPLICATION NUMBER: US/60/427,836
CURRENT FILING DATE: 2002-11-20
NUMBER OF SEQ ID NOS: 699466
i SOFTWARRE: Microarray Probe Sequence Listing Generator V 1.1
ERNGTH: 25
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TITLE OF INVENTION: Methods of Genetic Analysis of Rat
FILE REPERBNEE: 3527
CURRENT APPLICATION NUMBER: US/60/427,836
CURRENT APPLICATION NUMBER: US/60/427,836
CURRENT APPLICATION DATE: 2002-11-20
NUMBER OF SEQ ID NOS: 699466
SOFTWARE: Microarray Probe Sequence Listing Generator V 1.1
SEQ ID NO 142384
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US-60-427-836-166946, Application US/60427836
GENERAL INFORMATION:
APPLICANT: Xue Mei Zhou
TITILE OF INVENTION: Methods of Genetic Analysis of Rat
FILE REPERENCE: 3527
CURRENT APPLICATION NUMBER: US/60/427,836
CURRENT FILING DATE: 2002-11-20
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Pred. No. 1.6e+03;
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Pred. No. 1.6e+03;
0; Mismatches 2;
                                                         Score 14.8; DB 12;
Pred. No. 1.6e+03;
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; Sequence 142384, Application US/60427836
; GENERAL INFORMATION:
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88.9%;
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Best Local Similarity 88.9%;
Matches 16; Conservative
                                                         Query Match
Best Local Similarity 88.9%;
Matches 16; Conservative
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                                                                                                                                         3 GACAGAGCCCAACTCTTC
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ORGANISM: Rattus norvegicus
US-60-427-836-603511
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               ; TYPE: DNA
; ORGANISM: Rattus norvegicus
US-60-427-836-142384
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Best Local Similarity 88.99
Matches 16; Conservative
  ; ORGANISM: Mus musculus US-60-427-808-449334
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; SOFTWARE: Microarray Probe Sequence Listing Generator V 1.1; SEQ ID NO 166946; LENGTH: 25; TYPE: DNA; ORGANISM: Rattus norvegicus
US-60-427-836-166946

Query Match
Best Local Similarity 93.8%; Pred: No. 2.58+03;
Matches 15; Conservative 0; Mismatches 1; Indels 0; Gaps

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I CTGACAGAGCCCAACT 16

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I CTGACAGAGCCCAACT 16

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I CTGACAGAGCCCAACT 16

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Search completed: June 26, 2003, 04:15:15

Search completed: June 26, 2003, 04:15:15
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GenCore version 5.1.6 Copyright (c) 1993 - 2003 Compugen Ltd.

OM nucleic - nu	OM nucleic - nucleic search, using sw model
Run on:	June 23, 2003, 01:05:28; Search time 348.884 Seconds (without alignments) 2502.502 Million cell updates/sec
Title: Perfect score: Sequence:	US-08-770-564A-5 30 1 CTGACAGAGCCCAACTCTTCGCGGTGGCAG 30
Scoring table:	OLIGO_NUC Gapop [.] 60.0 , Gapext 60.0
Searched:	2054640 segs, 14551402878 residues
Word size :	0
Total number of	Total number of hits satisfying chosen parameters: 841850
Minimum DB seq length: 0 Maximum DB seq length: 50	length: 0 Length: 50
Post-processing	Post-processing: Listing first 45 summaries
Database :	GenEmbl:* 1: qb ba:*

GenEmbl:*

1: gb_ba:*

3: gb_htg:*

4: gb_om:*

5: gb_pin:*

6: gb_ov:*

6: gb_ov:*

7: gb_ph:*

10: gb_ro:*

10: gb_ro:*

11: gb_gt:*

12: gb_pr:*

13: gb_un:*

14: gb_vi:*

15: em_ba:*

16: em_fun:*

18: em_hum:*

19: em_ni:*

22: em_ov:*

22: em_ov:*

22: em_ov:*

23: em_pt:*

24: em_tg_inv:*

25: em_tg_inv:*

26: em_tg_inv:*

27: em_tg_inv:*

28: em_htg_other:*

31: em_htg_inv:*

32: em_htg_other:*

33: em_htg_onum:*

34: em_htg_onum:*

35: em_htg_onum:*

36: em_htg_onum:*

37: em_htg_onum:*

38: em_htg_onum:*

39: em_htgo_num:*

40: em_htgo_other:*

Pred. No. is the number of results predicted by chance to have a

score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

	. 00	AR063830 Sequence AR063831 Sequence	128704 Sequence 7	AB069038 Synthetic	AX109246 Sequence	X69253 H.sapiens m	AX158160 Sequence	AX158162 Sequence AX024597 Sequence	A14857 Nucleotide	AR056247 Sequence	A32455 Synthetic p	A32726 Synthetic d	119611 Sequence 12 184271 Sequence 42	A09892 Oligonucleo	A09923 Probe. 1/19	Al4859 Nucleotide A30766 Artificial	AR002212 Sequence	E05218 Probe for g	Elbour PCR primer AB069392 Synthetic	A37934 Sequence 12	AR129457 Sequence	AXIIO611 Sequence	A09925 Probe. 1/19	AR171201 Sequence	AX445639 Sequence	AX445836 Sequence	AX115384 Sequence	X69244 H.sapiens m	AR142066 Sequence	159933 Sequence 60	195816 Sequence 60	X69242 H. sapiens m	S72587 TCR gamma = S72591 TCR gamma =		0001-002-00 TKO result	THE CO. T. ST. ST. ST. ST.					. and Weinri	or telomerase	
SUMMARIBS	AR063829	AR063830 AR063831	128704	AB069038	AX109246 872525	HSTCRGV33	AX158160	AX158162 AX024597	A14857	AR056247	A32455	A32726	119611	A09892	A09923	A14859 A30766	AR002212	E05218	K16501 AB069392	A37934	AR129457	AX110619	A09925	AR171201	AX445639	AX445836	AX115384	'n	AR142066	159933	. 195816	HSTCRGV22	S72587 S72591	ALIGNMENTS	מאת מל 20	US 5846723.					ley,J.	5 08-DEC-1998;	alifiers
Length DB	1																			9													6 6 08 30			from patent		15666:		ed.	Wu, F.,	detect. 5846723	ocation/Qu
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Result No. Scor	; ; ; ; ;	79 m) 4	ທ		- œ	•	٦.	c 12	13	12	16	17	16	20	M V	7	~	G 25	1 (7)	7 28	30	· m	<u>ო</u> (ი ი კა	m	36	n m	m	4, 4	* 4	4.	0 44 45		RESULT 1 AR063829	DEFINITION	ACCESSION	KEYWORDS	SOURCE ORGANISM		AUTHORS	TITLE	FEATURES

PAT 06-FEB-1997

source

BASE COUNT

ORIGIN

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AB069038 20 bp DNA linear SYN 08-AUG-2001
Synthetic construct DNA, forward primer for human STS sts-A008544
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Chen,Y.Z., Hayashi,Y., Wu,J.G., Takaoka,E., Maekawa,K., Watanabe,N., Inazawa,J., Hosoda,F., Arai,Y., Mizushima,H., Morohashi,A., Ohira,M., Nakagawara,A., Liu,S., Hoshi,M., Horii,A. and Soeda,E.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Submitted (04-AUG-2001) Akira Horii, Tohoku University School of Submitted (04-Aug-2001) Akira Horii, Tohoku University School of Medicine, Molecular Pathology; 2-1 Seiryomachi, Aoba-ku, Sendai, Miyagi 980-8575, Japan (E-mail:horii@mail.cc.tohoku.ac.jp, Tel:81-22-717-8042, Fax:81-22-717-8047)
                                                                                                                     Unclassified.

1 (bases 1 to 46)

Beckmann, M.Patricia., Goodwin, R.G., Giri, J.G. and Armitage, R.J.

CD27 ligand
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100.0%; Pred. No. 3e+03;
tive 0; Mismatches 0; Indels
     linear
       DNA
                                                                                                                                                                                    Patent: US 5573924-A 7 12-NOV-1996;
Location/Qualifiers
46 bp
Sequence 7 from patent US 5573924.
128704
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Genomics 74 (1), 55-70 (2001)
                                                                                                                                                                                                                                         /organism="unknown"
12 c 14 g
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                                                      I28704.1 GI:1819480
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Horii, A.
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Best Local Similarity 100.
Matches 12; Conservative
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REFERENCE
AUTHORS
TITLE
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JOURNAL
FEATURES
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Kim,N.Woo., Wu,F., Kealey,J.T., Pruzan,R. and Weinrich,S.L.

Methods for detecting the RNA component of telomerase

Patent: US 5846723-A 7 08-DEC-1998;

Location/Qualifiers
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Kim,N.Woo., Wu.F., Kealey,J.T., Pruzan,R. and Weinrich,S.L.

Methods for detecting the RNA component of telomerase

Patent: US 5846723-A 6 08-DEC-1998;

Location/Qualifiers
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100.0%; Pred. No. 0.13;
ive 0; Mismatches 0; Indels
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Pred. No. 0.13;
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; Pred. No. 7.9e-08;
0; Mismatches 0;
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                                                                                                                                          1 CTGACAGAGCCCAACTCTTCGCGGTGGCAG 30
                                                                                                                                                                 CTGACAGAGCCCAACTCTTCGCGGTGGCAG 30
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Sequence 7 from patent US 5846723.
AR063831.
AR063831.1 GI:5993139
                                                                                                                                                                                                                                                         20 bp
Sequence 6 from patent US 5846723.
AR063830.
AR063830.1 GI:5993138
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7 c 6 g
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VERSION KEYWORDS SOURCE ORGANISM

BASE COUNT ORIGIN

TITLE JOURNAL REFERENCE AUTHORS

FEATURES

DEFINITION ACCESSION

RESULT 2 AR063830

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KEYWORDS

RESULT 3 AR063831

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AUTHORS TITLE

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JOURNAL

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BASE COUNT

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Direct Submission
Submitted (10-JUN-1992) J. Hvas, La Trobe University,
Neurocimmunology Lab., Dept. of Psych., La Trobe University,
Neurocimmunology Lab., Dept. of Psych., La Trobe University,
Labes 1 to 30)
Hvas, J., Okenberg, J.R., Fernando, R., Steinman, L. and Bernard, C.C.
Gamma delta T cell receptor repertoire in brain lesions of patients
with multiple sclerosis
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Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.
1 (bases 1 to 30)
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H.sapiens mRNA for rearranged TCR-gamma chain V region (VJ).
X69253
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Pred. No. 1.30+04;
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          /codon_start=2
/product="T_cell receptor gamma chain"
/protein_id="AAB20598.2"
/db_xref="G1:771729"
/translation="PLWEREELG"
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Sequence 1488 from Patent WO0140521.
AXI58160
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/db_xref="taxon:9606"
/clone="MSSELBRA5G"
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/note="V-gamma-2 segment"
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/organism="Homo sapiens"
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/note="J-gamma-1.2 s/
4 c 12 g
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/note="N region"
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manuscript"
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Matches 12; Conserv
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28 bp mRNA linear PRI 08-MAY-2000
TCR V gamma 9=T cell receptor gamma chain {V-J junction} [human, mRNA Partial Mutant, 28 nt].
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Trans. Assoc. Am. Physicians 103, 102-111 (1990)
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/note="This sequence comes from Figure 4; conceptual translation differs from the translation presented in the
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Homo sapiens
Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.
I (bases I to 28)
Holroyd, K.J., Tamura, N., Banks, T., Kirby, M., Okayama, H. and
Crystal, R.G.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        GenBank staff at the National Library of Medicine created this entry [NCBI glubbg 72255] from the original journal article. This sequence comes from Figure 4. Location/Qualifiers
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                                                                                                                                                                  Synthetic construct
artificial sequences.

1 (bases 1 to 26)
10 beleersnider,W. Berger,C., Loeken,C., Nys,G. and Venema,J. Human g-protein coupled receptor
Patent: WO 0125269-A 13 12-APR-2001;
Solvay Pharmaceuticals B.V. (NL)
10 coation/Qualifiers
10 cyganism="synthetic construct"
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/note="T cell receptor gamma chain"
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1.3e+04;
                                                                 DNA
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/note="Degenerated primers"
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/db_xref="taxon:9606"
                                                             AX109246 26 bp
Sequence 13 from Patent WO0125269
AX109246
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7 c 9 g
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S72525.1 GI:240432
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                           RESULT 6
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PAT 15-SEP-2000

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synthetic construct.

synthetic construct

artificial sequences.

1 (bases 1 to 50)

Turecek, P., Scheiflinger, F., Schwarz, H.P., Lenting, P.J., van
Mourik, J.A., Pannekoek, H. and Mertens, K.

A factor viii-polypeptide with factor viii:-c-activity
Patent: WO 0028021-A 13 18-MAY-2000;

BAXTER AKTIENGESELLSCHAFT (AT); TURECEK PETER (AT); SCHBIFLINGER
FRIEDRICH (AT); SCHWARZ HANS PETER (AT); LENTING PETRUS JOHANNES

(NL); MOURIK JAN AART VAN (NL); PANNEKOEK HANS (NL); MERTENS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               1 (bases 1 to 12)
Cravador, A., De Vos-Pierreux, M.J. and Bollen, A.
Nucleic acid probes with non-eadloactive labels, and preparation
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100.0%; Pred. No. 5.3e+04;
tive 0; Mismatches 0;
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/organism="synthetic construct"
/db xref="taxon:32630"
/note="Oligonucleotid" 8 t
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Sequence 451 from patent US 5837542.
AR056247
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Patent: BP 0334694-A 1 27-SEP-1989;
PRE-CELLITARG S.A.; LA REGION WALLONNE
Location/Qualifiers
Sequence 13 from Patent WO0028021.

    12
    /organism="unidentified"

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                                                           AX024597.1 GI:10184737
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Best Local Similarity 100.
Matches 11; Conservative
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1 (bases 1 to 46)
2 Shinkets,R.A. and Leach,M.
Nucleic acids containing single nucleotide polymorphisms and methods of use thereof.
Patent: WO 0140521-A. 1490 07-JUN-2001;
                                                                            Eukaryota, Metazoa, Chordata, Craniata, Vertebrata, Euteleostomi, Mammalia, Eutheria, Primates, Catarrhini, Hominidae, Homo.

I (bases 1 to 43)
Shimkets, R. A. and Leach, M.
Nucleic acids containing single nucleotide polymorphisms and methods of use thereof methods of use thereof Patent: WO 0140521-A 1488 07-JUN-2001,
Curagen Corporation (US)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         /note="2 of 2 allelic variants (1489 is other entry)"
15 c 6 g 15 t
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14 c 6 g 13 t
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Accession number cg29694531"
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100.0%; Pred. No. 1.2e+04;
ive 0; Mismatches 0;
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/organism="Homo sapiens"
/db_xref="taxon:9606"
21. .22
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18._.19
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Length 50;

PAT 16-MAY-1994

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Length 12;

PAT 29-SEP-1999

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synthetic construct
artificial sequences.

1 (bases 1 to 18)
Cros,P., Allibert,P.A., Mandrand,B.F. and Dalbon,P.T.
Method for immobilizing a nucleic acid fragment by passive
adsorption on a solid support, solid support obtained therefrom and
its utilisation
Parent: EP 0524864 A 10 27-JAN-1993;
BIO MERIEUK, Societe anonyme
iocation/Qualifiers
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Patent: US 6132967-A 451 17-OCT-2000;
Location/Qualifiers
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                                             1 (bases 1 to 15)
Grimm,S., Stinchcomb,D.T., McSwiggen,J., Sullivan,S. and
Draper,K.G.
Intercellular adhesion molecule-1 (ICAM-1) ribozymes
Patent: US 5837542-A 451 17-NOV-1998;
Location/Qualifiers
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1 (bases 1 to 15)
Grimm,S., Stinchcomb,D.T., McSwiggen,J., Sullivan,S. and
Draper,K.G.
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Synthetic papillomavirus type 16 E7 probe.
A32455
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36.7%; Score 11; DB 6; Le
Best Local Similarity 100.0%; Pred. No. 5.3e+04;
Matches 11; Conservative 0; Mismatches 0;
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Sequence 451 from patent US 6132967.
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/organism="unknown"
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/organism="synthetic construct"
//db_xref="taxon:32630"

BASE COUNT 5 a 7 c 4 g 2 t

ORIGIN

Query Match

Query Match

Best Local Similarity 100.0%; Pred. No. 5.38+04;

Matches 11; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 3 GACAGAGCCA 13

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Db 4 GACAGAGCCA 14

Search completed: June 23, 2003, 06:34:15
Job time: 351.346 secs
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Title: Perfect score:

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PCR primer used to PCR primer for con Human silent SNP c Construct pc2-m9#5 oligonucleotide pr Target DNA sequenc Oligonucleotide SE Oligonucleoti
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PCR primer, 28LS,
Human papillomavir
HPV probe. Synthe
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Human biallelic∵ma
aac(3′)-IIb resist
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Collectin PCR prim
Mouse R35 specific
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Oligonucleotide ad
Oligonucleotide ad
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Primer #106. Homo
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      component of human telomerase (hTR) antisense oligo 16.
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AAC68689
AAH01361
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AAD05954
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AAQ62049
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96US-0770564.
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   WO9828442-A1.
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20-DEC-1996;
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RNA component of h
RNA component of h
PCR primer hTR 332
Mouse Elf-1 revers
                                                                             June 22, 2003, 18:09:32 ; Search time 199.363 Seconds (without alignments) 338.880 Million cell updates/sec
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'gcgdata/geneseq/geneseqn-embl/NA2001A.DAT:*
'gcgdata/geneseq/geneseqn-embl/NA2001B.DAT:*
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              GenCore version 5.1.6
Copyright (c) 1993 - 2003 Compugen Ltd.
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                                                          - nucleic search, using sw model
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AAV41173
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Match Length
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Weinrich SL,

Pruzan R,

Kealey JT, Kim NW, WPI; 1998-377670/32

Human Type II IL-1 Human chromosome 1 Rye mircrosatellit cereale microsa

AAV34750 ABL43397 AAZ23852 AAX36927

000446111

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Score

Š Result

detecting or inhibiting human telomerase, e.g. for treating cancers, contraception, immuno-suppression or treating infection

Claim 11; Page 65; 80pp; English.

polynucleotide(s) anti:sense to human telomerase - used

New polynucleotide(s) anti:sense to human telomerase - used for detecting or inhibiting human telomerase, e.g. for treating cancers, contraception, immuno-suppression or treating infection

Claim 11; Page 65; 80pp; English.

Sequences shown in AAV41169 to AAV41181 represent antisense
oligonuclectides to the RNA component of human telomerase (HTR). These
antisense oligonuclectides specifically hybridise to a nucleotide
sequence within an accessible region of the hTR, but that does not
component of a sequence within the template region of hTR. These
component of human telomerase in a sample. This is useful for diagnosing
cancer (especially neuroblastoma, bladder, colon and prostate cancer),
and providing prognosis for a cancer patient. The inhibitor of
cancer (especially neuroblastoma, bladder, colon and prostate cancer),
oligonuclectides can inhibit the telomerase activity level in a cell by
interfering with transcription of the RNA component, decreasing the
colymerase activity of telomerase. These antisense oligonuclectides can
be used for inhibiting telomerase. These antisense oligonuclectides can
be used for inhibiting telomerase activity in both cultured cells and in
cells in vivo. They can be used in therapeutics for treating or
contenting cancer, for contraception or sterilisation, for
immune system, e.g. a specific subset of T-cells, in
contininamatory, therapies or for treating infections by, e.g. yeast, parasites or fungi

Sequence 30 BP; 6 A; 10 C; 9 G; 5 T; 0 other;

ő Length 30; 0; Indels 100.0%; Score 30; DB 19; 100.0%; Pred. No. 7.2e-08; 0; Mismatches 1 CTGACAGAGCCCAACTCTTCGCGGTGGCAG 30 1 CTGACAGAGCCCAACTCTTCGCGGTGGCAG 30 30; Conservative Local Similarity Query Match Matches g ઠે

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Gaps

RESULT 2 AAV411

AAV41173 standard; DNA; 20 BP

AAV41173;

08-OCT-1998 (first entry)

RNA component of human telomerase (hTR) antisense oligo 16ab.

RNA component; human telomerase; antisense oligonucleotide; infection; neuroblastoma; bladder cancer; colon cancer; prostate cancer; cancer; contraception; sterilisation; immunosuppression; therapeutic; hTR; immune system down-regulation; anti-inflammatory therapy; ss.

Homo sapiens. Synthetic.

WO9828442-A1

02-JUL-1998.

97WO-US23619 .9-DEC-1997; 96US-0770565. 96US-0770564. 20-DEC-1996; 20-DEC-1996;

(GERO-) GERON CORP.

Kealey JT, Kim NW, Pruzan R, Weinrich SL,

Ē Μū New polynucleotide(s) anti:sense to human telomerase - used for

Ψu F;

Pruzan R, Weinrich SL,

Kealey JT, Kim NW, WPI; 1998-377670/32

(GERO-) GERON CORP.

96US-0770565. 96US-0770564.

20-DEC-1996; 20-DEC-1996;

WPI; 1998-377670/32

Sequences shown in AAV41169 to AAV41181 represent antisense
oligonucleotides to the RNA component of human telomerase (hTR). These
antisense oligonucleotides specifically hybridise to a nucleotide
sequence within an accessible region of the hTR, but that does not
thybridise to a sequence within the template region of hTR. These
component of human telomerase in a sample. This is useful for diagnosing
cancer (especially neuroblastoma, bladder, colon and prostate cancer),
and providing prognosis for a cancer patient. The inhibitory
colloquacteotides can inhibit the telomerase activity level in a cell by
interfering with transcription of the RNA component, decreasing the
colloquacteotides can into the telomerase holoenizme, or inhibiting the
colloquacteotides can into the telomerase holoenizme, or inhibiting the
colloquacteotides can into the telomerase noloenizme, or inhibiting the
colloquacteotides can into the relomerase noloenizme, or inhibiting the
colloquacteotides can into the relomerase oligonucleotides can
be used for inhibiting telomerase activity in both cultured cells and in
cells in vivo. They can be used in therapeutics for treating or
colls in vivo. They can be used in therapeutics for treating or
immunosuppression, and for selectively down-regulating specific branches
con the immune system, e.g. a specific subset of T-cells, in
colls immune system, e.g. a specific subset of T-cells. RNA component; human telomerase; antisense oligonucleotide; infection; neuroblastoma; bladder cancer; colon cancer; prostate cancer; cancer; contraception; sterilisation; immunosuppression; therapeutic; hTR; anti-inflammatory therapies or for treating infections by, e.g. yeast, Gaps ö component of human telomerase (hTR) antisense oligo 16bc. immune system down-regulation; anti-inflammatory therapy; ss. Score 20; DB 19; Length 20; Pred. No. 0.039; 0; Mismatches 0; Indels 66.7%; Sco... 100.0%; Pred. No. ... 0; Mismatches Sequence 20 BP; 5 A; 8 C; 3 G; 4 T; 0 other; CTGACAGAGCCCAACTCTTC 20 1 CTGACAGAGCCCAACTCTTC 20 AAV41174 standard; DNA; 20 BP. 97WO-US23619, (first entry) 20; Conservative Query Match Best Local Similarity parasites or fungi Homo sapiens. WO9828442-A1. 08-OCT-1998 19-DEC-1997; 02-JUL-1998. Synthetic AAV41174; Matches RESULT 3 AAV4117 셤 8

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                                                                  antisense oligonucleotides precifically hybridise to a nucleotide antisense oligonucleotides specifically hybridise to a nucleotide antisense oligonucleotides specifically hybridise to a nucleotide sequence within an accessable region of the hTR, but that does not hybridise to a sequence within the template region of hTR. These oligonucleotides may specifically be used for detection of an RNA component of human telomerase in a sample. This is useful for diagnosing cancer (especially neuroblastoma, bladder, colon and prostate cancer), and providing prognosis for a cancer patient. The inhibitory of neuroleotides can inhibit the telomerase activity level in a cell by interfering with transcription of the RNA component, decreasing the half-life of the telomerase RNA component transcript, inhibiting the polymerase activity of telomerase. These antisense oligonucleotides can be used for inhibiting telomerase activity in both cultured cells and in cells in vivo. They can be used in therapeutics for treating or immunosuppression, and for selectively down-regulating specific branches of the immune system, e.g. a specific subset of T-cells, in activity in a anti-inflammancory theraples or for treating infections by, e.g. yeast,
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            The invention relates to methods for modulating and identifying cellular
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detecting or inhibiting human telomerase, e.g. for treating cancers, contraception, immuno-suppression or treating infection
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            modulator; GC6 gene; senescent gene expression;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              New human GCG gene, useful for identifying agents for treating diseases and/or conditions associated with cell senescence
                                                           Sequences shown in AAV41169 to AAV41181 represent antisense
                                                                                                                                                                                                                                                                                                                                                           Length 20;
                                                                                                                                                                                                                                                                                                                                                                                   0; Indels
                                                                                                                                                                                                                                                                                                                                                          66.7%; Score 20; DB 19;
100.0%; Pred. No. 0.039;
iive 0; Mismatches 0
                                                                                                                                                                                                                                                                                                                                   Sequence 20 BP; 3 A; 7 C; 6 G; 4 T; 0 other;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Example 5; Page 74; 79pp; English
                                   Claim 11; Page 65; 80pp; English.
                                                                                                                                                                                                                                                                                                                                                                                                           11 CCAACTCTTCGCGGTGGCAG 30
                                                                                                                                                                                                                                                                                                                                                                                                                      1 CCAACTCTTCGCGGTGGCAG 20
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AAX77131 Btandard; DNA; 26
                                                                                                                                                                                                                                                                                                                                                                    Local Similarity 100.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Cellular senescence;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     PCR primer hTR S328
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        WPI; 1999-347496/29.
                                                                                                                                                                                                                                                                                                            parasites or fungi.
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Best Local S
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senescence. Recombinant expression vectors comprising a recombinant polymucleotide corresponding to a polymucleotide in a human GCG gane, are useful for altering senescent gane expression. The vectors and host cells comprising the vectors are useful for identifying agents that prevent or modulate senescent gene expression. The polymucleotides are useful for producing the protein, pGCG and nucleic acid derivatives. The proteins encoded are useful for raising antibodies specific for pGCG, which are useful for raising antibodies specific for pGCG, which are useful for isolating pGCG, and for detecting cells comprising pGCG in complex cell mixtures. The characterization of the polymucleotides enable the identification of therapeutic agents that identify and distinguish between young and senescent cells. This enables treatment of aging diseases induced or exacerbated by cellular senescence.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      The invention relates to three polymorphic variants of a rat transcriptional regulatory factor Elf-1 (AAB03190-B03192) and nucleic acids encoding them (AAA61645-A61647). The invention also encompasses the use of Elf-1 for regulating the transcription of a gene in an expression vector. The CDNA encoding rat Elf-1 variant #1 (AAA61645) was isolated using PCR primers (AAA61648-A61649) based on mouse Elf-1 CDNA, and the rat Elf-1 variant #2 and 3# CDNA8 (AAA61646-A61647) were subsequently isolated. The Elf-1 CDNA and protein sequences are potentially useful for the prevention and treatment of immunological and allorgic diseases mediated by Elf-1. Sequences AAA61648-A61649 represent mouse Elf-1 PCR primers used in an exemplification of the invention to isolate rat Elf-1 variant #1 CDNA.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Gape
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polymorphic variant; immunological disease; allergic disease;
PCR primer; 88.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Length 26;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Score 14; DB 20; I Pred. No. 1.1e+02;
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100.0%; Pred. No. 1.1e+02;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  46.7%; Scc...
100.0%; Pred
0; M
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   AAA61649/c
ID AAA61649 standard; DNA; 30 BP.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  98JP-0309595.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              1 CTGACAGAGCCCAA 14
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 14 CTGACAGAGCCCAA 1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Local Similarity 100.
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Best Local Similarity
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chromosome 1p36-35; chromosome 21q22.1; genetic analysis;

genome; PCR primer;

Human;

JP2001321190-A. Homo sapiens.

20-NOV-2001,

12-MAR-2001; 2001JP-0068285. 10-MAR-2000; 2000JP-0066716. (RIKA) RIKAGAKU KENKYUSHO. (GENO-) GENOTEX YG.

Human chromosome 1p36-35 PCR primer SEQ ID NO:441

(first entry)

11-APR-2002

ABL43397;

ABL43397 standard; DNA; 20 BP

ABL43397

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                                                                                                                                                                                                                                                               Type II interleukin-1 receptor; IL-1R; immune response; inflammation; regulation; soluble; cell surface receptor; treatment; alloantigen; fissue; organ; rejection; transplant; graft-versue-host disease; human; autoimmune dysfunction; T-cell activation; self antigen; primer; rheumatoid arthritis; diabetes mellitus; multiple sclerosis; ss.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Regulation of interleukin-1 mediated immune or inflammatory response in mammal - comprises administering soluble IL-1 receptor protein, used in treatment of e.g. graft versus host disease and multiple
Gaps
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                43.3%; Score 13; DB 19; Length 46; 100.0%; Pred. No. 4.2e+02;
0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Mosley BA, Sims JE;
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Mismatches
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                                                                                                                                                                                                                                   Human Type II IL-1R primer #3.
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90US-0534193.
90US-0573576.
90US-0627071.
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94US-0242211.
95US-0442043.
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                                                                                                                                           AAV34750 standard; DNA; 46
                             6 AGAGCCCAACTCTT 19
                                                                                                                                                                                                       (first entry)
 14; Conservative
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                                                                                                                                                                                                                                                                                                                                                                              Homo sapiens.
                                                                                                                                                                                                        27-AUG-1998
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                                                                                                                                                                                                                                                                                                                                                                 Synthetic
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 Matches
                                                                                                              RESULT 6
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Claim 4; Page 13; 528pp; Japanese.

Arraying genome clones WPI; 2002-144136/19.

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The present invention describes a method of arraying genome clones. The method comprises: (a) clones of the genomic libraries contained in miltiwell plates numbered for discrimination are mixed in each of the miltiwell plates; (b) a primer designed based on the chromosome marker multiwell plates; (b) a primer designed based on the chromosome marker sequence is added to the mixture to carry out an amplification reaction; (c) a signal corresponding to the marker is detected from the resultant amplified product to specify the discrimination Nos. of the multiwell plates containing the clones having said marker sequence; (d) the order of the maximum in the specified discrimination Nos. to array the multiwell classified by the miltiwell plates of the specified discrimination Nos. succeed to discrimination Nos. are mixed respectively in each wells of longitudinal and lateral directions; (f) the mixed clones are cultured and the resultant cultures are amplified products; (h) the clones in the multiwell plates are specified from the amplified products; (h) the clones in the multiwell plates are specified from the detected result; and (i) the clones are constituted as the positions on the chromosome and arrayed. The mixed clones is the mixed of the constituted as the positions on the chromosome and arrayed. The mixed constituted as the positions on the chromosome and arrayed. The mixed mixed the constituted as the positions on the chromosome and arrayed. The constituted as the positions on the chromosome and arrayed. The constituted as the positions on the chromosome and arrayed. The constituted as the positions on the chromosome and arrayed. The constituted as the positions on the chromosome and arrayed. The constituted as the positions on the chromosome and arrayed. The constituted as the positions on the chromosome and arrayed. The constituted as the positions on the chromosome and arrayed. The constituted as the positions on the chromosome and arrayed.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   PCR primers for human chromosome 1p36-35 DNA, and ABL45323 to ABL45634
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Gaps

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Indels

100.0%; Prec. ...

Conservative

Best Local Similarity

13;

Matches

13 AACTCTTCGCGGT 25 AACTCTTCGCGGT 37

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25

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DE19835109-A1
                                               04-AUG-1998;
                                                                    02-OCT-1997;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             22-OCT-1997;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     22-OCT-1998;
                        15-APR-1999.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       WO9920762-A1
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Synthetic.
                                                                                                                                                                                                                                                                                                                                                                                                               invention
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            AAX36173;
                                                                                                                                                                                                                                                                                                                                                                                                                                                         Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Matches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              RESULT 10
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           요
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                ô
                                                                                                                                                                                                                                                                                                                                   This invention describes novel microsatellite markers (MSM), based on the hypervariable genomic regions of rye (Secale cereale) and of plants from the tribes Triticeae and Poeae. MSM, which are new genetic markers for rye and closely related species, are used for genetic analysis and in breeding programs. Typical applications are in DNA fingerprinting; identification of varieties; detection of self and cross pollination; characterization of cytoplasmic lines, and genetic mapping (of mono- or poly-genic traits). MSM show a higher degree of polymorphism than known markers (both within and between different rye varieties and lines); can be detected by polymersase chain reaction, so that even very small samples may be analyzed, and generate many alleles per marker locus. AZZ3387-ZZ3886 represent the microsatellite marker PCR primers
                                         Microsatellite marker; rye; hypervariable genomic region; Poeae;
Triticeae; breeding program; DNA fingerprinting; variety; detection;
self pollination; cross pollination; cytoplasmic line; genetic mapping;
polymorphism; PCR primer; ss.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Microsatellite, marker; PCR primer; rye; plant; Triticeae; Poeae; simple sequence repeat; SSR; sequence tag site; STS; genetic analysis; DNA fingerprinting; variety identification; self fertilization; detection; cross fertilization; cytological line; gene mapping; monogenic trait; polygenic trait; ss.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Gaps
                                                                                                                                                                                                                                                                            New microsatellite markers for rye and closely related grasses, used for genetic analysis and in breeding
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   ;
0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          40.0%; Score 12; DB 20; Length 21; 100.0%; Pred. No. 1.5e+03;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  0; Indels
                                                                                                                                                                                                                                (GVSE-) GVS GES ERWERB & VERW LANDWIRTSCHAFTLICH.

    Cereale microsatellite marker PCR primer 26.

                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Sequence 21 BP; 4 A; 7 C; 4 G; 6 T; 0 other;
                      Rye mircrosatellite marker 13 PCR primer 2.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  100.0%; Pred. ...
                                                                                                                                                                                                                                                                                                               Claim 6; Page 27; 28pp; German.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       AAX36927 standard; DNA; 21 BP
                                                                                                                                                                                    98DE-1011506.
                                                                                                                                                                                                          98DE-1011506
(first entry)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     02-JUL-1999 (first entry)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  12; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         8 AGCCCAACTCTT 19
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      1 AGCCCAACTCTT 12
                                                                                                                                                                                                                                                       WPI; 1999-591715/51.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Local Similarity
                                                                                                                 Secale cereale.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Secale cereale
                                                                                                                                       DE19811506-A1
                                                                                                                                                                                                          17-MAR-1998;
                                                                                                                                                                                   17-MAR-1998;
21-JAN-2000
                                                                                                                                                             21-0CT-1999.
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                                                                                                     Synthetic
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              AAX36927;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Matches
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This invention describes Secale cereale microsatellite markers based on hypervariable genomic segments of Secale cereale and plants of the tribicae and Poeae. The microsatellite markers comprise a simple sequence repeat (SSR) marker as sequence tag site (STS), defined by two specific S. cereale defined primers, of mean length 18-26 bases and flanking the microsatellite sequence (MSS). Such markers are useful for genetic analysis of rye, triticale and other species of the tribes Triticeae and Poeae, e.g. for DNA fingerprinting; identification of varieties; detecting self or cross fertilization; studying similarity and meatedness; characterization of cytological lines, or generally any sort of gene mapping. Particularly, they are useful for genetic mapping and marking of mono- or poly-genic traits, selection and evaluation of varietal purity or checking culture stages (particularly in hybrid culture methods), purity of propagative materials, success of culture and continued and components in populations and published. MAX36902-X36965 represent PCR primers used in the method of the
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Intercellular adhesion molecule 6; ICAM-6; drug screening; therapy; intercellular adhesion; inflammatory process; PCR primer; 88.
                                                                                                                                                                                                                                                                                                                                                                                                                Microsatellite markers derived from the genome of .rye, useful for genetic mapping as markers of monogenic or polygenic traits
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   40.0%; Score 12; DB 20; Length 21; 100.0%; Pred. No. 1.5e+03; ive 0; Mismatches 0; Indels
                                                                                                                                                                 (GVSE-) GVS GES ERWERB & VERWERTUNG LANDWIRTSCHA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Sequence 21 BP; 4 A; 7 C; 4 G; 6 T; 0 other;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Claim 6; Page 16; 28pp; German.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 AAX36173 standard; DNA; 24 BP.
98DE-1035109.
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                                                                              97DE-1043671
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Local Similarity 100.
Hes 12; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  8 AGCCCAACTCTT 19
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                                                                                                                                                                                                                                                                                                                              WPI; 1999-245522/21.
                                                                                                                                                                                                                                                    Saal B, Wricke G;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                (ICOS-) ICOS CORP.
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burners AAF80328-30 were used to amplify cDNA encoding a human G-protein coupled receptor designated ISS4. IGS4 exists in two polymorphic forms, IGS4A and IGS4B. The IGS4 receptors and IGS4C polymorphic forms, IGS4A and IGS4B. The IGS4 receptors and IGS6C polymorphic forms. These diseases include peripheral nervous system disorders of system, psychiatric and central nervous system disorders of system, psychiatric and central nervous system disorders of system, psychiatric and central nervous system disorders (e.g. schizophrania, episodic paroxysmal anxiety, phobia, Parkinson's disease, migraine, episodic paroxysmal anxiety, phobia, Parkinson's disease, migraine, episodic paroxysmal anxiety, phobia, Parkinson's disease, migraine, episodic paroxysmal anxiety, phobia, Parkinson's disorders (e.g. inflammatory bowel disease or motility disorders), costeoporosis, inflammatory bowel disease or motility disorders), costeoporosis, inflammations, infections (e.g. bacterial, fungal, protozoan or viral), pain, cancers, immune disorders, allergies, sepsis or syncological disorders of the nervous system, including the effective with regard to disorders of the nervous system, including or system, cardiovascular system, sepsies or immunological disease. The IGS4 polynucleotides genitourinary system, or immunological disease. The IGS4 polynucleotides
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            AA173060 to AA179867 represent isolated human polymorphic polynucleotide sequences (I), which contain single nucleotide polymorphisms (SNPs). AAM51314 to AAM53129 represent peptides related to human polymorphic polymucleotide sequences. The sequences can be used in gene and protein therapy, and in vaccine production. (I) and the polypeptides encoded by
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Human, single nuclectide polymorphism; SNP; genome; gene therapy; protein therapy; vaccine; probe; diagnostic assay; detection; quantitation; restorative therapy; polymorphic; ds.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Polymorphic nucleic acid sequences, useful in genetic testing and
                                                                                                                                                                                                                                                                                                                                                                                                                                          genitourinary system, or immunological disease. The IGS4 polynucl are useful as diagnostic reagents for detecting under-expression,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  ;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Length 26;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Human silent SNP containing nucleic acid SEQ:1488.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Score 12; DB 22; I
Pred. No. 1.6e+03;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              overexpression or altered expression of IGS4.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Sequence 26 BP; 1 A; 7 C; 9 G; 5 T; 4 other;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             100.0%; Prec. ...
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            AAI74547 standard; DNA; 43 BP
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        30-NOV-1999; 99US-0168138.
29-NOV-2000; 2000US-0726173.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                40.08;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                09-NOV-2001 (first entry)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 27
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   5 rerreseseres 16
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Leach M;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    16 TCTTCGCGGTGG
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       (CURA-) CURAGEN CORP.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      WPI; 2001-356160/37.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Local Similarity
nes 12; Conserv
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     WO200140521-A2.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Shimkets RA,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          07-JUN-2001.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Matches
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             g
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Human; G-protein coupled receptor; IGS4; IGS4B; schizophrenia; nervous aystem disorder; psychiatric disorder; Parkinson's disease; episodic paroxysmal anxiety; phobia; migratine; epilepsy; bulimia; stroke; cardicovascular disease; heart failure; angina pectoris; obesity; emesis; motility disorder; myocardial infarction; hypertension; dyslipidemia;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            gastrointestinal disorder; inflammatory bowel disease; osteoporosis;
inflammation; infection; pain; cancer; immune disorder; allergy; sepsis;
gynecological disorder; PCR primer; ss.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               New G-protein coupled receptors and the polynucleotides encoding them, useful for preventing, ameliorating or correcting nervous system disorders, cardiovascular diseases, dyslipidemias, inflammations, pain
                                                                                                                                                                                                                                                                                                              involving intercellular adhesion, e.g. in inflammatory processes. The products can also be used for detection, diagnosis and the production of transgenic animals. PCR primers AAX36170-73 were used in the course of the invention.
                                                                                                                                                                                                                                    The specification describes an intercellular adhesion molecule (ICAM)-6 polypeptide. The ICAM-6 polypeptides and polynucleotides can be used for drug screening and developing products for therapy
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 PCR primer for cDNA encoding the G-protein coupled receptor IGS4.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   ö
                                                                                                           New isolated intercellular adhesion molecule-6 used for, e.g. diagnosis of inflammatory processes
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Length 24;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Venema J;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Query Match
40.0%; Score 12; DB 20; Length 24
Best Local Similarity 100.0%; Pred. No. 1.5e+03;
Matches 12; Conservative 0; Mismatches 0; Indels
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                                                                                                                                                                                                                                                                                                                                                                                                                                               Sequence 24 BP; 5 A; 5 C; 9 G; 5 T; 0 other;
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             Vazeau R;
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                                                                                                                                                                                        Example 15; Page 53; 102pp; English.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                BP.
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24-SEP-1999; 99EP-0203140.
24-ULL-2000; 2000EP-0222683.
31-JUL-2000; 2000US-0222047.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      25-SEP-2000; 2000WO-EP09584
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                AAF80328 standard; DNA; 26
             Staunton DE,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               (first entry)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     2 TGACAGAGCCCA 13
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  1 rgacagagccca 12
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 (SOLV ) SOLVAY PHARM BV
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  WPI; 2001-273568/28.
                                                         WPI; 1999-288308/24.
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             Loughney K,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    12-APR-2001
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RESULT 11 AAF80328

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them may be used in the prevention, diagnosis and treatment of diseases associated with inappropriate expression of polymorphic polypeptides.

For example, (I) may be used to treat disorders by rectifying mutations or deletions in a patient's genome that affect the activity of polypeptides by expressing inactive proteins or to supplement the patients own production of polypeptide. Additionally, (I) and its complementary sequences may also be used as DNA probes in diagnostic assays to detect and quantitate the presence of similar nucleic acids in samples, and therefore which patients may be in need of restorative therapy. The polypeptides encoded by (I) may be used as antigens in the antibodies may also be used as diagnostic expression and activity. The antibodies may also be used as diagnostic agents for detecting the presence of polymorphic polypeptides in samples.
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AAM53114 to AAM53129 represent peptides related to human polymorphic polymucleotide sequences. The sequences can be used in gene and protein therapy, and in vaccine production. (I) and the polymeptides encoded by them may be used in the prevention. (I) and the polymeptides encoded by associated with inappropriate expression of polymorphic polypeptides. For example, (I) may be used to treat disorders by rectifying mutations or deletions in a patient's genome that affect the activity of polypeptides by expressing inactive proteins or to supplement the patients own production of polypeptide. Additionally, (I) and its
                                                                                                                                                                                                                                                                                                                                                                                                                                              Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Human; single nucleotide polymorphism; SNP; genome; gene therapy;
protein therapy; vaccine; probe; diagnostic assay; detection;
quantitation; restorative therapy; polymorphic; ds.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Polymorphic nucleic acid sequences, useful in genetic testing and
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                                                                                                                                                                                                                                                                                                                                                                                               Length 43;
                                                                                                                                                                                                                                                                                                                                                                                                                                          0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Human silent SNP containing nucleic acid SEQ:1490.
                                                                                                                                                                                                                                                                                                                                                                                                                       1.6e+03;
                                                                                                                                                                                                                                                                                                                                                     Sequence 43 BP; 10 A; 14 C; 6 G; 13 T; 0 other;
                                                                                                                                                                                                                                                                                                                                                                                             Score 12; DB 22;
Pred. No. 1.6e+03
                                                                                                                                                                                                                                                                                                                                                                                                           100.0%; Preq. w.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               AAI74549 standard; DNA; 46 BP.
                                                                                                                                                                                                                                                                                                                                                                                               40.08;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               29-NOV-2000; 2000US-0726173
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         (first entry)
                                                                                                                                                                                                                                                                                                                                                                                           Query Match
Best Local Similarity 100.
Matches 12; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      3 GACAGAGCCCAA 14
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   28 GACAGAGCCCAA 17
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Shimkets RA, Leach M;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              (CURA-) CURAGEN CORP.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     WPI; 2001-356160/37.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          30-NOV-1999;
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XXX AAI74
XXX Human
XXX Human
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This invention describes a novel factor VIII polypeptide (I) with factor VIII: Cactivity which has a modification in at least one of the A3, C1 and/or C2 domains of the light chain that modifies binding affinity to low density lipoprotein receptor-related protein (LRP). Independent claims are also included for the following: (I) DNA (II) that encodes (I); (2) an expression vector containing (II); (3) transformed cells and their descendants containing (II); (4) recombinant production of (I) by culturing cells of (C); and (5) pharmaceutical composition containing a factor VIII molecule (Ia) with factor VIII:C activity plus an LRP and (S) pharmaceutical composition containing a cativity. (I) has reduced affinity for LRP, a receptor involved in clearance of factor VIII from the blood. (I), optionally formulated with an antagonist of LRP, is used for treatment of coagulation disorders, an antagonist of LRP, is used for treatment of coagulation disorders, capecifically hemophilia A. It may also be used to treat subjects with disorders of the thrombotic or fibrinolytic systems, e.g. before, during or after surgery. Nucleic acid that encodes (I) can be used
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complementary sequences may also be used as DNA probes in diagnostic assays to detect and quantitate the presence of similar nucleic acids in samples, and therefore which patients may be in need of restorative therapy. The polypeptides encoded by (1) may be used as antigens in the production of antibodies specific for polymorphic polypeptides. The antibodies may also be used to down regulate expression and activity. The antibodies may also be used as diagnostic agents for detecting the presence of polymorphic polypeptides in samples.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Factor VIII; light chain; LRP; gene therapy; antihemophilic; blood; low density lipoprotein receptor-related protein; coagulation disorder; thrombotic system; fibrinolytic system; primer; ss.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               New modified form of factor VIII, useful for treating hemophilia, has altered binding to low density lipoprotein-related protein, resulting in extended in vivo half-life -
                                                                                                                                                                                                                                                                            Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Mertens K, Pannekoek H, Turecek P;
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                                                                                                                                                                                                                                 Length 46;
                                                                                                                                                                                                           Score 12; DB 22; Lengtn 40, Pred. No. 1.68+03;
                                                                                                                                                                                        Seguence 46 BP; 10 A; 15 C; 6 G; 15 T; 0 other;
                                                                                                                                                                                                                                                                         0; Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Construct pC2-m9#518 primer P-CC(4).
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                                                                                                                                                                                                                                                                                                                                                                                                                                                              AAA40237 standard; DNA; 50 BP.
                                                                                                                                                                                                                                   40.0%; {
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Schwarz H, Scheiflinger F;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               02-NOV-2000 (first entry)
                                                                                                                                                                                                                          Query Match
Best Local Similarity 100.0
Matches 12, Conservative
                                                                                                                                                                                                                                                                                                                  3 GACAGAGCCCAA 14
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Unidentified
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similarly in gene therapy. The light chain modifications reduce clearance of factor VIII protein from the blood, resulting in longer in vivo and—life (particularly at least 90% greater than wild type) and increased stability, in vivo or in vitro. The modifications do not adversely affect procoagulant activity. This sequence represents a primer used in the construction of the plasmid pC2-m9#518 which contains the Factor VIII light chain C2 region which is described in the method of the
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           This invention describes novel oligonucleotide primers or peptide nucleic acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP) and cytosine methylation status in chemically pretreated genomic DNA. The oligonucleotides are used for diagnosis and/or prognosis of cancer and a range of diseases including immune system, gastrointestinal, respiratory, central nervous system, cardiovascular and metabolic disorders. The oligomers are also used for detecting cell type differentiation. ABC10010-ABE199989, ABF00010-ABF99989, ABF00010-ABF99989 and NOTE: The sequence data for this patent did not form part of the printed specification, but was obtained in electronic format from WIPO at
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS; peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss; central nervous system; gastrointestinal; respiratory; immune; metabolic.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Oligonucleotide primer SEQ ID NO 341035 for detecting SNP TSC0010735.
                                                                                                                                                                                                                                                                       Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Set of oligonucleotides, useful for diagnosis and cell typing, is designed to detect single nucleotide polymorphisms and cytosine methylation status
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0
                                                                                                                                                                                                                             Length 50;
                                                                                                                                                                                                                           40.0%; Score 12; DB 21; Length 50
100.0%; Pred. No. 1.6e+03;
iive 0; Mismatches 0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Claim 1; SEQ ID 341035; 29pp + Sequence Listing; German.
                                                                                                                                                                                     Sequence 50 BP; 11 A; 16 C; 15 G; 8 T; 0 other;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Berlin K;
                                                                                                                                                                                                                                                                                                                                                                                                                                                      ABI41062 standard; DNA; 12 BP.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        06-APR-2001; 2001WO-IB00713
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                07-APR-2000; 2000DE-1019173
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 22-FEB-2002 (first entry)
                                                                                                                                                                                                          Query Match
Best Local Similarity 100.
                                                                                                                                                                                                                                                                                                                                    31 GAGCCCAACTCT 42
                                                                                                                                                                                                                                                                                                             7 GAGCCCAACTCT 18
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Olek A, Piepenbrock C,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     (EPIG-) EPIGENOMICS AG.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 WPI; 2001-657177/75
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                                                                                                                                             invention
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              ABI41062;
                                                                                                                                                                                                                                                                                                                                                                                                              RESULT 15
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Length 12;

36.7%; Score 11; DB 23; 1 100.0%; Pred. No. 5.7e+03;

Query Match . Best Local Similarity

Sequence 12 BP; 3 A; 5 C; 1 G; 3 T; 0 other; ftp.wipo.int/pub/published_pct_sequences

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Gaps
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 Indels
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 Mismatches
                                                                            Search completed: June 23, 2003, 05:43:36 Job time : 201.67 secs
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 11; Conservative
                     12 CAACTCTTCGC 22
                                           2 chacrcrrcsc 12
 Matches
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OM nucleic

Run on:

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Sequence 22, Appl Sequence 12, Appl Sequence 12, Appl Sequence 14, Appl Sequence 17, Appl Sequence 17, Appl Sequence 20, Appl Sequence 23, Appl Sequence 33, Appl Sequence 387, Appl
                                                           Sequence 1384, Ap
Sequence 1387, Ap
Sequence 1388, Ap
                                                                                                                                                                                                                                                                                                        Sequence 11, Appl
Sequence 16, Appl
Sequence 17, Appl
                                                                                                                                                                                                                                                                                                                                                                       Sequence 8, Appli
Sequence 4, Appl
Sequence 2918, Ap
                                                                                                                                                                                                                                                                                                                                                           Sequence 18,
               Sequence
Sequence
Sequence
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Mosley, Bruce A.
Dower, Steven K.
TITLE OF INVENTION: Type II Interleukin-1 Receptors
NUMBER OF SEQUENCES: 14
CORRESPONDENCE ADDRESS:
          US-09-824-017-25
US-09-986-118A-25
US-09-818-875-1383
US-09-818-875-1384
US-09-818-875-1387
US-09-918-875-1387
US-10-091-958-22
US-10-091-052-2
US-10-091-011-45
US-09-915-814-151
US-09-915-814-161
US-09-915-814-161
US-09-915-814-161
US-09-909-6489-1126
US-09-909-6489-1126
US-09-909-6487-1126
US-09-909-67-1126
US-09-909-506-387
US-09-909-506-387
US-09-909-506-387
US-09-909-506-387
US-09-909-251-116
US-09-909-251-116
US-09-909-251-117
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               PRIOR APPLICATION DATA:
APPLICATION NUMBER: US/09/461,908
FILING DATE: «Unknown»
APPLICATION NUMBER: US/08/091,519
FILING DATE: «Unknown»
APPLICATION NUMBER: US/07/701,415
FILING DATE: «Unknown»
APPLICATION NUMBER: US/07/34,193
FILING DATE: «Unknown»
APPLICATION NUMBER: US/07/534,193
FILING DATE: 06-UNN-1990
APPLICATION NUMBER: US/07/573,576
                                                                                                                                                                                                                                                                                                                                                                                        US-09-808-382-4
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/10/199,209
FILING DATE: 19-Jul-2002
CLASSIFICATION: <Unknown>
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                FILING DATE: 24-AUG-1990
APPLICATION NUMBER: US 07/627,071
FILING DATE: 13-DEC-1990
ATTORNEY/AGENT INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC Compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.24
                                                                                                                                                                                                                                                                                                                                                                                                                                                          ALIGNMENTS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     ADDRESSEE: Immunex Corporation
STREET: 51 University Street
CITY: Seattle
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Cosman, David J.
Lupton, Stephen D.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Sequence 5, Application US/10199209
Publication No. US20030060616A1
GENERAL INFORMATION:
APPLICANT: Sims, John E.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    COMPUTER READABLE FORM:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   STATE: WA
COUNTRY: USA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     ZIP: 98101
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          RESULT 1
US-10-199-209-5
Sequence 2094, Ap
Sequence 2291, Ap
Sequence 110, App
Sequence 105, App
Sequence 129624,
Sequence 12, Appl
Sequence 24, Appl
Sequence 24, Appl
Sequence 29, Appl
Sequence 29, Appl
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Sequence 31566, A
Sequence 110352,
Sequence 6, Appli
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Sequence 10, Appl
Sequence 3187, Ap
Sequence 65, Appl
                                                                                                     June 23, 2003, 06:41:29 ; Search time 241.076 Seconds (without alignments) 182.610 Million cell updates/sec
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Description
                                                                                                                                                                                                                                                                                                                                                                                                                                                                 GenCore version 5.1.6
Copyright (c) 1993 - 2003 Compugen Ltd.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 US-10-199-209-5
US-10-098-263B-31566
US-10-098-263B-110352
US-09-28B-971-6
US-09-28B-971-10
US-09-969-373-3187
US-09-940-185-2094
US-09-940-185-2094
US-09-940-185-2094
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US-10-098-263B-97446
US-10-098-263B-129624
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US-09-824-017-24
US-09-986-118A-24
US-10-002-050-29
US-10-002-304-29
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                                                                                                                                                                                                                                                                                                                                                      Total number of hits satisfying chosen parameters:
                                                                                                                                                                                                                                                                                       1042519 segs, 733713590 residues
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     SUMMARIES
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                                                                          nucleic search, using sw model
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Gapop 60.0 , Gapext 60.0
                                                                                                                                                                  US-08-770-564A-5
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Match Length
                                                                                                                                                                                                                                                                                                                                                                                        Minimum DB seq length: 0 Maximum DB seq length: 50
                                                                                                                                                                                                                                                                                                                        0
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Perfect score:
                                                                                                                                                                                                                                        Scoring table:
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Word size :

Searched:

Sequence:

Database :

Result

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US-09-288-971-6/C
US-09-288-971-6/C
Sequence 6, Application US/09288971
Sequence 6, Application No. US20030036055A1
Sequence 6, Application No. US20030036055A1
Sequence 6, Application No. US20030036055A1
SERREAL FIRORMATION:
TITLE OF INVENTION: METHODS AND KITS TO ENRICH FOR DESIRED NUCLEIC ACID
TITLE OF INVENTION: SEQUENCES
FILE REFERENCE: 04121.0117
CURRENT APPLICATION NUMBER: US/09/288,971
CURRENT FILING DATE: 1999-04-09
NUMBER OF SEQ ID NOS: 26
SOFTWARE: PATENTIN Ver. 2.0
SEQ ID NO 6
SEQ ID NO 6
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           RESULT 5
US-09-288-971-10
is Sequence 10, Application US/09288971
; Sequence 10, No. US20030036055A1
; GENERAL INFORMATION:
    APPLICANT: Sorge, Joseph A.
    TITLE OF INVENTION: METHODS AND KITS TO ENRICH FOR DESIRED NUCLEIC ACID
    TITLE OF INVENTION: METHODS AND KITS TO ENRICH FOR DESIRED NUCLEIC ACID
    TITLE OF INVENTION: SEQUENCES
    FILE REFERENCE: 04121.0117
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                                                            Length 25;
                                                                                                      0; Indels
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Pred. No. 7.1e+02;
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Pred. No. 7.1e+02;
                                                                                   .3e+02;
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                                                                                                          Mismatches
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CURRENT FILING DATE: 1999-04-09
NUMBER OF SEQ ID NOS: 26
SOFTWARE: Patentin Ver. 2.0
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Best Local Similarity 100.
Matches 12; Conservative
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Best Local Similarity 100.
Matches 12; Conservative
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                                                                                                          Conservative
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; ORGANISM: Rattus rattus
US-09-288-971-10
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       ; TYPE: DNA
; ORGANISM: Rattus rattus
US-09-288-971-6
                                                                                                                                                      10 CCCAACTCTTCG
; ORGANISM: Homo sapien
US-10-098-263B-110352
                                                              Query Match
Best Local Similarity
Matches 12; Conserv
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US-09-969-373-3187
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SOFTWARE: Microarray Probe Sequence Listing Generator V 1.1
SEQ ID NO 110352
LENGTH: 25
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 APPLICATION MICHAEL
TITLE OF INVENTION: Human Microarray
FILE REFERENCE: 3118.1
CURRENT APPLICATION NUMBER: US/10/098,263B
CURRENT FILING DATE: 2003-01-08
PRIOR APPLICATION NUMBER: 60/276,759
PRIOR PILING DATE: 2001-03-16
NUMBER OF SEQ ID NOS: 131066
SOFTWARE: Microarray Probe Sequence Listing Generator V 1.1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Length 25;
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43.3%; Score 13; DB 9; Le
Best Local Similarity 100.0%; Pred. No. 1.7e+02;
Matches 13; Conservative 0; Mismatches 0;
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; Publication No. US20030104410A1
; GENERAL INFORMATION:
   APPLICANT: Mittman, Michael
; TITLE OF INVENTION: Human Microarray
FILE REFERENCE: 3118.1
CURRENT APPLICATION NUMBER: US/10/098,263B
; CURRENT APPLICATION NUMBER: 60/276,759
PRIOR PILING DATE: 2001-01-16
; PRIOR FILING DATE: 2001-01-16
    NAME: Wight, Christopher L.
REGISTRATION NUMBER: 31680
REFERENCE/DOCKET NUMBER: 2003-C
                                                                                                                                                                                                                                                                                                         ANTI-SENSE: N SEQUENCE DESCRIPTION: SEQ ID NO: 5: US-10-199-209-5
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Sequence 31566, Application US/10098263B Publication No. US20030104410A1 GENERAL INFORMATION:
                                                              TELECOMMUNICATION INFORMATION
TELEPHONE: 206-587-5570
TELEPHX: 206-533-0644
INFORMATION FOR SEQ ID NO: 5:
SEQUENCE CHARACTERISTICS:
                                                                                                                                                                                                                                                   TOPOLOGY: linear MOLECULE TYPE: DNA (genomic)
                                                                                                                                                                                LENGTH: 46 base pairs
                                                                                                                                                                                                       TYPE: nucleic acid
STRANDEDNESS: single
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Best Local Similarity 100.
Matches 12; Conservative
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US-10-098-263B-31566
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LENGTH: 25
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Sequence 110, Application US/09898779
Fatent No. US20020106657A1
GENERAL INFORMATION:
APPLICANT: Kent D. Taylor (Inventor)
APPLICANT: Maren T. Scheuner (Inventor)
APPLICANT: Maren T. Scheuner (Inventor)
APPLICANT: Jerome I. Rotter (Inventor)
APPLICANT: Huiving Yang (Inventor)
TITLE OF INVENTION: Genetic Test to Determine
TITLE OF INVENTION: No. US20020106657A1-responsiveness to Statin Drug Treatment
FILE REFERENCE: 18810-82302
CURRENT APPLICATION NUMBER: US/09/898,779
CURRENT FILING DATE: 2001-07-03
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Publication No. US20030096239A1

GENERAL INFORMATION:

APPLICANT GENERATION:

TITLE OF INVENTION: Probes and Decoder Oligonuclectides

TITLE OF INVENTION: Probes and Decoder Oligonuclectides

TITLE OF INVENTION: 2001-08-27

CURRENT FILING DATE: 2001-08-25

PRIOR APPLICATION NUMBER: US 60/227,948

PRIOR APPLICATION NUMBER: US 60/228,854

PRIOR PILING DATE: 2000-08-25

PRIOR PILING DATE: 2000-08-25

PRIOR PILING DATE: 2000-08-25

NUMBER OF SEQ ID NOS: 4768

SOFFWARE: Patentin version 3.1
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 , OTHER INFORMATION: Computer Generated Probe Sequence.
US-09-940-185-2291
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    36.7%; Score 11; DB 9; L
100.0%; Pred. No. 2.9e+03;
Live 0; Mismatches 0;
       PRIOR FILING DATE: 2000-08-25
PRIOR APPLICATION NUMBER: US 60/228,854
PRIOR FILING DATE: 2000-08-29
NUMBER OF SEQ ID NOS: 4768
SOFTWARE: Patentin version 3.1
SEQ ID NO 2094
LENGTH: 24
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PRIOR PILICATION NUMBER: 09/347,114
PRIOR FILING DATE: 1999-07-02
                                                                                                                                                                            TYPE: DNA
ORGANISM: Artificial Sequence
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           TYPE: DNA
ORGANISM: Artificial Sequence
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Best Local Similarity 100.
Marches 11; Conservative
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Matches 11; Conservative
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US-09-940-185-2291
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VENOUR:
VENDICATION US/1022334

Sequence 65, Application US/1022334

GENERAL INFORMATION:
APPLICANT: Ginsburg, David
APPLICANT: Tsai, Han-Mou
ITLE OF INVENTION: ADAMTS13 Genes and Proteins and Variants, and Uses Thereof
CURRENT FILIAND DATE: 2002-08-16
PRIOR APPLICATION NUMBER: 6/312,834
CURRENT FILING DATE: 2001-08-16
PRIOR PILING DATE: 2001-08-16
NUMBER OF SEQ ID NOS: 78

SOFTMARE: Patentin version 3.1
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APPLICANT: Effertz, Roger J.

APPLICANT: Hauge, Brian M.

ITILE OF INVENTION: Soybean SSRs and Methods of Genotyping
FILE REFERENCE: 38-10(52679) A.

CURRENT APPLICATION NUMBER: US/09/969,373

CURRENT PILING DATE: 2001-10-02

PRIOR APPLICATION NUMBER: US 09/754,853

PRIOR FILING DATE: 2001-01-05

PRIOR PILING DATE: 2001-01-05

PRIOR PILING DATE: 2001-01-13

PRIOR FILING DATE: 2001-01-13

PRIOR FILING DATE: 2001-01-15

PRIOR FILING DATE: 2001-05-15

UNWBER OF SEQ ID NOS: 4593

SEQ ID NO 3187
                                                                                                                                                                                                                                                                                                                                                                                                                                                                 36.7%; Score 11; DB 10; Length 18; 100.0%; Pred. No. 3e+03; ive 0; Mismatches 0; Indels
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Publication No. US20030096239A1
GENERAL INFORMATION:
APPLICANT: Gunderson, Kevin
APPLICANT: Chee, Mark
TITLE OF INVENTION: Probes and Decoder Oligonucleotides
FILE REPERENCE: A-69605-1
CURRENT APPLICATION NUMBER: US/09/940,185
CURRENT FILING DATE: 2001-08-27
PRIOR APPLICATION NUMBER: US 60/227,948
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               OTHER INFORMATION: Synthetic US-10-222-334-65
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Best Local Similarity 100.
Matches 11, Conservative
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Best Local Similarity 100.
Matches 11; Conservative
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                                                                                                                                                                                                                                                                                                                                                                       TYPE: DNA
CORGANISM: Glycine max
US-09-969-373-3187
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LENGTH: 21
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US-09-118-276-16
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; Bequence 205, Application US/0992665
; Publication No. US200300920091
; GENERAL INFORMATION:
    APPLICANT: Kaia Palm
    TITLE OF INVENTION: DIAGNOSIS AND TREATMENT OF NEOPLASTIC DISEASE
; TITLE OF INVENTION: DIAGNOSIS AND TREATMENT OF NEOPLASTIC DISEASE
; FILE REFERENCE: CEMINES.002A
; CURRENT APPLICATION NUMBER: US/09/992,665
; CURRENT FILING DATE: 2001-11-13
; PRIOR APPLICATION NUMBER: 60/249,508
; PRIOR APPLICATION NUMBER: 60/249,508
; RIUG DATE: 2000-11-16
; SOFTWARE: FAECSEQ for Windows Version 4.0
; SEQ ID NO 205
; LENGTH: 25
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## Sequence 97446

## Sequence 97446

## Sequence 97446

## Sequence 97466

## Sequence 10098263B

## Sequence 10098,263B

## Sequence 10
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36.7%; Score 11; DB 9; Le
Best Local Similarity 100.0%; Pred. No. 2.9e+03;
Matches 11; Conservative 0; Mismatches 0;
                                                                                                                                                                                                                                                                                                                                                                                                        0; Mismatches
SOFTWARE: FastSEQ for Windows Version 4.0 SEQ ID NO 110 LENGTH: 24
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Best Local Similarity 100.
Matches 11; Conservative
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        3 GACAGAGCCCA 13
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; ORGANISM: Homo Bapien
US-10-098-263B-97446
                                                                                                                                             ; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-898-779-110
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        US-10-098-263B-97446
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15 CICITCGCGGT 25

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RESULT 13

WESTING 13

WESTING 13

WESTING 13

WESTING 14

WESTING 14

WESTING 15

WESTING
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us-vw-spi-www-life

is Sequence 12, Application US/08961888

sequence 12, Application US/08961888

patent No. US20010016351A1

GENERAL INFORMATION:

APPLICANT: Padgett, Kerstien

APPLICANT: Sorge, Joseph

TITLE OF INVENTION: No. US20010016351Alel Vector For Gene Expression

TITLE OF INVENTION: In Prokaryotic And Eukaryotic Systems

NUMBER OF SEQUENCES: 40

CORRESPONDENCE ADDRESS:

ADDRESSEE: Howrey & Simon

STREET: 1299 Pennsylvania Avenue, N.W.

CITY: Washington

STATE: DC

CONDITY: Washington

STATE: DC

COMPUTER READABLE FORM:

MEDIUM TYPE: Diskette

COMPUTER: Is DoS

SOFTWARE: FatSEQ for Windows Version 2.0

CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/08/961,888

PILING DATE:

CLASSIFICATION DATA:

APPLICATION NUMBER:

PRICK APPLICATION NUMBER:

PRILING DATE:

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                                                                                                           36.7%; Score 11; DB 10; Length 26; 100.0%; Pred. No. 2.9e+03; tive 0; Mismatches 0; Indels
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100.0%; Pred. No. 2.8e+03;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     NAME: Auerbach, Jeffrey I
REGISTRATION NUMBER: 32,680
REFRENCE/DOCKET NUMBER:
TELECOMMUNICATION INFORMATION:
TELEPHONE: 202 383-7451
TELEFAX: 202 383-6610
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     TELEX:
TELEX:
TELEX:
INFORMATION FOR SEQ ID NO: 12:
SEQUENCE CHARACTERISTICS:
LENGTH: 36 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
US-08-961-888-12
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            ATTORNEY/AGENT INFORMATION:
                                                                                                       Query Match 36.7
Best Local Similarity 100.
Matches 11; Conservative
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Best Local Similarity 100.
Matches 11; Conservative
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   LINEAR
, TOPOLOGY:
US-09-118-276-16
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Search completed: June 23, 2003, 20:01:30 Job time: 242.076 secs

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CTGACAGAGCCCAACTCTTCGCGGTGGCAG 30
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Best Local Similarity 100.
Matches 30; Conservative
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APPLICANT: Pruzan, Ro
APPLICANT: Weinrich,
                                                                                                                                                                                                                                                                                                                                                           California
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             linear
                                                                                                                                                                                                                                                                                                                                                                   COUNTRY: USA
ZIP: 94111-3834
TOPOLOGY: 11:

MOLECULE TYPE:

US-08-770-565-5
APPLICANT
                                                                                                                                                                                                                                                                                                                                                           STATE:
                                                                                                                                                                                                                                                                                                                                                   CITY:
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Sequence 7, Appli
Sequence 33, Appli
Sequence 5, Appli
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Sequence 5, Appli
Sequence 451, App
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Sequence 12, Appli
Sequence 13, Appli
Sequence 2, Appli
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Sequence 29, Appli
Sequence 60, Appli
Sequence 61, Appli
Sequence 24, Appli
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                                                        June 23, 2003, 04:53:08 ; Search time 46.9721 Seconds (without alignments) 195.867 Million cell updates/sec
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/cgn2 6/ptodata/2/ina/6A_COMB.seq:*
/cgn2 6/ptodata/2/ina/6B_COMB.seq:*
/cgn2 6/ptodata/2/ina/PcTUS_COMB.seq:*
/cgn2 6/ptodata/2/ina/PcTUS_COMB.seq:*
        GenCore version 5.1.6
Copyright (c) 1993 - 2003 Compugen Ltd.
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US -08 -091 -519-5

US -08 -105 -5017-7

US -08 -105 -5017-7

US -08 -292 -620A-451

US -08 -292 -620A-451

US -08 -273 -776-12

US -08 -273 -776-12

US -08 -273 -776-13

US -08 -927 -219-29

US -08 -927 -219-29

US -08 -927 -219-29

US -08 -927 -219-29

US -08 -957 -711-60
                                                                                                               CTGACAGACCCCAACTCTTCGCGGTGGCAG 30
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-08-062-023-60
-08-944-368A-24
                                                                                                                                                                                            Total number of hits satisfying chosen parameters:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        US-08-944-368A-25
US-09-820-764-25
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US-08-770-565-7
US-08-974-180-33
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                                                                                                                                                         441362 segs, 153338381 residues
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                                                                                                                                                                                                                                        Post-processing: Listing first 45 summaries
                                          - nucleic search, using sw model
                                                                                                                               OLIGO_NUC
Gapop_60.0., Gapext 60.0
                                                                                                                                                                                                                                                           Issued_Patents NA:*
                                                                                           US-08-770-564A-5
                                                                                                                                                                                                                                                                                                                                                                                              DB
                                                                                                                                                                                                                                                                                                                                                                                    Query
Match Length
                                                                                                                                                                                                                                                                                                                                                                                                                                Minimum DB seq length: 0 Maximum DB seq length: 50
                                                                                                                                                                                                                                                                                                                                                                                                                                                         Title:
Perfect score:
                                                                                                                                                                                                                                                                                                                                                                                             Score
                                                                                                                                Scoring table:
                                                                                                                                                                                                                                                                                                                                                                                                              nucleic
                                                                                                                                                                                                                                                           Database :
                                                                                                                                                                           Word size
                                                                                                                Sequence:
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                                                          Run on:
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Sequence
Sequence
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  TITLE OF INVENTION: Methods for Detecting the RNA Component of TITLE OF INVENTION: Telomerase NUMBER OF SEQUENCES: 26
CORRESPONDENCE ADDRESS:
   Sequence
                                                                                                                                                          Sequence
                                                                                                                                                                            Sequence
                                                                                                                                                                                         Sequence
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               SOFTWARE: Patentin release #1.0, Version #1.30 CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/770,565 FILING DATE: 20-DEC-1996 CLASSIFICATION: 435 ATTORNEY/AGENT INFORMATION: NAME: Storella, John R. REGISTRATION UN
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            ;
US-09-051-363-23
US-07-78-23B-3
US-07-963-321-3
US-08-290-641-3
US-08-548-540-3
US-08-292-620A-1733
US-09-071-845-1733
US-09-071-845-1733
US-08-544-040-5345
US-08-436-074-1
US-08-436-071-59-5
PCT-US96-06532-1
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100.0%; Pred. No. 7.5e-09;
ive 0; Mismatches 0;
                                                                                                                                                                                                                        US-08-578-551-10
US-08-473-020A-14
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          ADDRESSEE: TOWNSEND and TOWNSEND and CREW STREET: Two Embarcadero Center, 8th Floor
                                                                                                                                                                                                                                                        US-09-289-368-52
US-09-190-982-10
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Two Embarcadero Center, 8th Floor
San Francisco
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                REFERENCE/DOCKET NUMBER: 015389-002300US
TELECOMMUNICATION INFORMATION:
TELEPHONE: 415-576-0200
                                                                                                                                                                                                                                                                                                                      ALIGNMENTS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       ZIP: 94111-3834
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
                                                                                                                                                                                                                                                                                                                                                                 RESULT 1
US-08-770-565-5
; Sequence 5, Application US/08770565
; Patent No. 5846723
; GENERAL INFORMATION:
APPLICANT: Kim, Nam Woo
                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Kealey, James T.
Pruzan, Ronald
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               TELEFAX: 415-576-0300
INFORMATION FOR SEQ ID NO:
SEQUENCE CHARACTERISTICS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                 Kim, Nam Woo
Wu, Fred
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             LENGTH: 30 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
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Sequence 33, Application US/08974180
; Sequence 33, Application US/08974180
; Patent No. 6025134
; GENERAL INFORMATION:
    TITLE OF INVENTION: Methods for Modulating and Identifying
    TITLE OF INVENTION: Cellular Senescence
    NUMBER OF SEQUENCES: 36
CORRESPONDENCE ADDRESS:
    ADDRESSEE: Garon Corporation
    STREET: 230 Constitution Drive
    CITY: Menlo Park
    STATE: California
    COUNTRY: USA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    66.7%; Score 20; DB 2; Length 20; 100.0%; Pred. No. 0.0048;
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ZIP: 94025
COMPUTER READABLE FORM:
MIDIUM TYPE: Floppy disk
COMPUTER: IBM FC compatible
OPERATING SYSTEM: PC-DOS/MA-DOS
SOFTWARE: PATENTIN RC-DOS/MA-DOS
CURRENT APPLICATION DATA:
APPLICATION WUMBER: US/08/974,180
FILING DATE: 19-NOV-1997
CLASSIFICATION: 435
ATTORNEY/AGENT INFORMATION:
NAME: Kaster, Kevin R2,704
REGISTRATION NUMBER: 32,704
REGISTRATION NUMBER: 206
TELECOMMUNICATION INDERMATION:
TREEFRENCE/DOCKET NUMBER: 206
TELECOMMUNICATION INFORMATION:
                                                                                                                                                                                                                                                              CURRENT APPLICATION BATA:

CURRENT APPLICATION DATA:

APPLICATION NUMBER:

FILING DATE: 20-DEC-1996

CLASSIFICATION: 435

ATTORNEY/AGENT INFORMATION:

NAME: SLOCAILIA, OHN R.

REGISTRATION NUMBER: 015389-002300US

TELEPHONE: 415-76-0200

TELEPHONE: 415-76-0300

INFORMATION FOR SEQ ID NO: 7:

SEQUENCE CHARACTERISTICS:

LENGTH: 20 base pairs

TYPE: nucleic acid

STRANDEDDIESS: single
Two Embarcadero Center, 8th Floor
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             100.0%; Pred. No.
                                                                                                                                                                                                               COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              11 CCAACTCTTCGCGGTGGCAG 30
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                                                                                                              ZIP: 94111-3834
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
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INFORMATION FOR SEQ ID NO: 3
SEQUENCE CHARACTERISTICS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Query Match
Best Local Similarity 100.
Matches 20; Conservative
                                  San Francisco
                                                           California
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  TOPOLOGY: linear MOLECULE TYPE: DNA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     linear
                                                                                              USA
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US-08-974-180-33/C
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                                                                                        COUNTRY:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          셤
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                                                                                                                                                             Sequence 6, Application US/08770565
; Sequence 6, Application US/08770565
; Sequence 6, Application US/08770565
; Patent No. 5846723
; GENERAL INFORMATION:
APPLICANT: Wim Woo
APPLICANT: Wim Fred
APPLICANT: Waintich, Scott L.
APPLICANT: Waintich, Scott L.
TITLE OF INVENTION: Methods for Detecting the RNA Component of TITLE OF INVENTION: Telomerase
NUMBER OF SEQUENCES: 26
CORRESPONDENCE ADDRESS:
ADDRESSEE: Two Embarcadero Center, 8th Floor
STREET: Son Francisco
STREET: Two Embarcadero Center, 8th Floor
STREET: Treetenting STREET: Two Floor
STREET: Treetenting STREET: Treetenting STREETE: Tree
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NO. 565-7
Sequence 7, Application US/08770565
Sequence 7, Application US/08770565
Sequence 7, Application US/08770565
Sequence 7, Application US/08770565
Sequence 7, Application:
MAPPLICANT: Kim, Nam Woo
APPLICANT: Wu, Facaley, James T.
APPLICANT: Weinrich, Scott L.
APPLICANT: Weinrich, Scott L.
TITLE OF INVENTION: Telomerase
NUMBER OF SEQUENCES: 26
CORRESPONDENCE ADDRES: 2
ALDRESSEE: TOWNSEND and TOWNSEND and CREW LLP
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Score 20; DB 2; Length 20;
Pred. No. 0.0048;
0; Mismatches 0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Query Match 66.7%; Score 20; UB. Best Local Similarity 100.0%; Pred. No. 0.0
         1 CTGACAGAGCCCAACTCTTCGCGGTGGCAG 30
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             TYPE: nucleic acid
STRANDEDNESS: single
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         TOPOLOGY: linear i MOLECULE TYPE: DNA US-08-770-565-6
                                                                                                                                       RESULT 2
US-08-770-565-6
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              CURRENT APPLICATION DATA:

SOFTWARE: Patentin Release #1.0, Version #1.25

CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/106,507
FILING DATE:
FLING DATE:
APPLICATION NUMBER: US 07/941,648
FLING DATE: 08-SEP-1992
ATTORNEY/AGBNT INPORMATION:
NAME: WIGHT, CHRISTOPHER L.
RABELSTRATION NUMBER: 31,680.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      43.3%; Score 13; DB 100.0%; Pred. No. 55; ive 0; Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     CITY: CASTATE: WAS COUNTRY: USA ZIP: 98101 COMPUTER READABLE FORM: MEDIUM TYPE: Floppy disk MEDIUM TYPE: Floppy disk COMPUTER: CASTATE COM
                                                                                APPLICATION NUMBER: US 07/573,576 FILING DATE: 24-AUG-1990 PRIOR APPLICATION UNMBER: US 07/627,071 APPLICATION NUMBER: US 07/627,071
                                                                                                                                                                                                                                                                                                                                         2003-C
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                APPLICANT: BECKMANN, M. P.
APPLICANT: GODWIN, RAYMOND G.
APPLICANT: GIRI, JUDITH G.
APPLICANT: ARITAGE, RICHARD J.
TITLE OF INVENTION: CD27 LIGAND
NUMBER OF SEQUENCES: 10
CORRESPONDENCE ADDRESS:
ADDRESSEE: IMMUNEX CORPORATION
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           E: IMMUNEX CORPORATION
51 UNIVERSITY STREET
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            43.33,
100.0%; Pre
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     US-08-106-507-7; Sequence 7, Application US/08106507; Patent No. 5573924; Patent INFORMATION:
                                                                                                                                                                                                                                                                     NAME: Wight, Christopher L. REGISTRATION NUMBER: 31680
REFERENCE/DOCKET NUMBER: 20
TELECOMMUNICATION INFORMATION: TELEPHONE: 206-587-5570
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    REFERENCE/DOCKET NUMBER: 28
TELECOMMUNICATION INFORMATION:
TELEPHONE: 206-587-0430
INFORMATION FOR SEQ ID N. 7:
SEQUENCE CHARACTERISTICS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    TOPOLOGY: linear MOLECULE TYPE: DNA (genomic) HYPOTHETICAL: N
                      FILING DATE: 06-JUN-1990 PRIOR APPLICATION DATA:
                                                                                                                                                                                                              FILING DATE: 13-DEC-1990 ATTORNEY/AGENT INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       25 AACTCTTCGCGGT 37
                                                                                                                                                                                                                                                                                                                                                                                                                            TELEFAX: 206-233-0644
INFORMATION FOR SEQ ID NO:
SEQUENCE CHARACTERISTICS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    13 AACTCTTCGCGGT 25
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      13; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          nucleic acid
EDNESS: single
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Query Match
Best Local Similarity
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STREET: DALLETTY: SEATTLE
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    STRANDEDNESS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  ANTI-SENSE: N
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            US-08-091-519-5
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    LENGTH:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Matches
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                                                                                                                                                                                                                                                                                                                                         46.7%; Score 14; DB 3; Length 26; 100.C%; Pred. No. 15; tive 0; Mismatches 0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 DB 6; Length 45;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     APPLICANT: Sims, John E.
APPLICANT: Cosman, David J.
APPLICANT: Lupton, Stephen D.
APPLICANT: Mosley, Bruce A.
APPLICANT: Mosley, Bruce A.
APPLICANT: Dower, Steven K.
TITLE OF INVENTION: Type II Interleukin-1 Receptors
TUMBER OF SEQUENCES: 14
CORRESPONDENCE ADDRESS:
ADDRESSEE: Immunex Corporation
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Patent No. 5198342

APPLICANT: MALIISZEWSKI; CHARLES R.
APPLICANTON: DNA ENCOGING IGA FC RECEPTORS
NUMBER OF SEQUENCES: 9
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/07/548,059
FILING DATE: 05-UUL-1990
                                                                                                                                                                                 LOCATION: 1..26

COTHER INFORMATION: /riote= "primer hTR $328"
US-08-974-180-33
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Query Match
46.7%; Score 14; DB (
Best Local Similarity 100.0%; Pred. No. 15; 
Matches 14; Conservative 0; Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    FILING DATE:
CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US/07/701,415
FILING DATE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      SOFTWARE: Patentin Release #1.24
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/091,519
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              ZIP: 98101
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             ADDRESSEE: Immunex Corporation
STREET: 51 University Street
CITY: Seattle
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          US-08-091-519-5;
Sequence 5, Application US/08091519;
Patent No. 5350683;
GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                   1 CTGACAGAGCCCAA 14
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                14 CTGACAGAGCCCAA 1
                                                                                                                                                                                                                                                                                                                                         Query Match
Best Local Similarity 100.
Matches 14, Conservative
LENGTH: 26 base; pairs
TYPE: nucleic acid
STRANDEDNESS: single
                                                                                TOPOLOGY: linear
MOLECULE TYPE: DNA
FEATURE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        USA
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   SEQ ID NO: 4
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 5198342-4
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                APPLICANT: Sims, John E.
APPLICANT: Sims, John E.
APPLICANT: Cosman, David J.
APPLICANT: Lupton, Stephen D.
APPLICANT: Mosley, Bruce A.
APPLICANT: Mosley, Bruce A.
APPLICANT: Dower, Steven K.
TITLE OF INVENTION: Type II Interleukin-1 Receptors
NUMBER OF SEQUENCES: 14
CORRESPONDENCE ADDRESS:
ADDRESSEE: Immunex Corporation
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              CURRENT APPLICATION DATA:

CURRENT APPLICATION DATA:

APPLICATION NUMBER: PCT/US91/03478

FILING DATE: 19910517

CLASSIFICATION: 435

PRIOR APPLICATION DATA:

APPLICATION NUMBER: US 07/534,193

FILING DATE: 06-JUN-1990

PRIOR APPLICATION DATA:

APPLICATION NUMBER: US 07/573,576

FILING DATE: 24-AUG 1990

PRIOR APPLICATION NUMBER: US 07/627,071

FILING DATE: 13-DEC-1990

ATTORNEY/AGENT INFORMATION:

RESISTRATION NUMBER: 31680

REFERENCE/DOCKET NUMBER: 31680

REFERENCE/DOCKET NUMBER: 31680

TELECOMMUNICATION INFORMATION:

FELCOMMUNICATION NUMBER: 31680

TELECOMMUNICATION INFORMATION:

FELCOMMUNICATION NUMBER: 31680
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            ZIP: 98101
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPOTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     PCT-US91-03478-5; Sequence 5, Application PC/TUS9103478; GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       ADDRESSEE: Immunex Corporation
STREET: 51 University Street
CITY: Seattle
STATE: WA
COUNTRY: USA
                                                                                                                                       MOLECULE TYPE: DNA (genomic)
HYPOTHETICAL: N
ANTI-SENSE: N
US-08-442-043A-5
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           TELEPHONE: 206-587-5570
TELEPAK: 206-587-6570
INCOMMATION FOR SEQ ID NO: 5: SEQUENCE CHARACTERISTICS: LENGTH: 46 base pairs TYPE: NUCLEIC ACID STRANDEDNESS: single TOOLOGAY: linear MODECULE TYPE: DNA (genomic) HYPOTHETICAL: N
                                   LENGTH: 46 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
                                                                                                                                                                                                                                                                                                                                                13 AACTCTTCGCGGT 25
                                                                                                                                                                                                                                                                                                                                                                          25 AACTCTTCGCGGT 37
INFORMATION FOR SEQ ID NO:
SEQUENCE CHARACTERISTICS:
LENGTH: 46 base pairs
                                                                                                                                                                                                                                                                                Best Local Similarity 100.
Matches 13; Conservative
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                                                                                                                                                                                                                                                             Query Match
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                                                                                                                                                                                                                                                           43.3%; Score 13; DB 1; Length 46; 100.0%; Pred. No. 55; tive 0; Mismatches 0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Sequence 5. Application US/08442043A

Sequence 5. Application US/08442043A

GENERAL INFORMATION:
APPLICANT: Sims, John E.
APPLICANT: Lupton, Stephen D.
APPLICANT: Dower, Steven K.
TITLE OF INVENTION: Type II Interleukin-1 Receptors
NUMBER OF SEQUENCES: 19
CORRESPONDENCE ADDRESS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           COUNTER READABLE FORM:

COUNTER READABLE FORM:

MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC COMPACIBLE
COMPUTER: PLOPS/MS-DOS
SOFTWARE: PACHALIN RELease #1.24
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/442,043A
FILING DATE: 16-MAY-1995
CLASSIFICATION DATA:
APPLICATION NUMBER: US 07/534,192
FILING DATE: 05-JUN-1990
PRIOR APPLICATION DATA:
APPLICATION DATA:
APPLICATION DATA:
APPLICATION DATA:
PRIOR APPLICATION DATA:
APPLICATION DATA:
APPLICATION DATA:
FILING DATE: 13-DEC-1950
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 2003-F
TELECOMMUNICATION:
TELEPHONE: 206-537-5570
TELEFAX: 206-233-0644
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   B: Immunex Corporation
51 University Street
                                                                                          MOLECULE TYPE: DNA (genomic)
HYPOTHETICAL: NO
                                                                                                                                           ANTI-SENSE: NO
INMEDIATE SOURCE:
CLONE: oligonucleotide
US-08-106-507-7
                                                                                                                                                                                                                                                           Query Match
Best Local Similarity 100.
Matches 13; Conservative
                                                                                                                                                                                                                                                                                                                                                       13 AACTCTTCGCGGT 25
                                                                                                                                                                                                                                                                                                                                                                               25 AACTCTTCGCGGT 37
         LENGTH: 46 base pairs
                            TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          ADDALL STREET: ST. TTY: Seattle
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  USA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     ADDRESSEE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                       RESULT 8
US-08-442-043A-5
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Pred. No. 8.1e+02;
3; Mismatches 0; Indels
S-09-0,...
Sequence 451,
Sequence 451,
Fatent No. 613296,
GENERAL INFORMATION:
APPLICANT: Susan Grimm
APPLICANT: James McSwiggen
APPLICANT: James McSwiggen
APPLICANT: Renneth G. Draper
TITLE OF INVENTION: RIBOZNE TRATMENT OF
TITLE OF INVENTION: RIBOZNE
TNVENTION: RIBCASES OR CONDITIONS
TNVENTION: RIBCASES TO LEVELS OF
TNVENTION: RIBCASELULAR ADHESION
TNVENTION: INTRACELLULAR ADHESION
TNVENTION: TNVENTION:
TNVENTION: TNVENTIONS
TNVENTION
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   COMPUTER READABLE FORM:
MEDIUM TYPE: 3.5" Diskette, 1.44 Mb
MEDIUM TYPE: 3.5" Diskette, 1.44 Mb
MEDIUM TYPE: 5.0" O'BRATTING SYSTEM: IBM P.C. DOS 5.0
SOFTWARE: Word Perfect 5.1
CURRENT APPLICATION NUMBER: US/09/071,845
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          FILING DATE:
CLASSIFICATION:
PRIOR APPLICATION:
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US/08/292, 620
FILING DATE: August 17, 1994
APPLICATION NUMBER: 08/08, 895
FILING DATE: January 19, 1993
APPLICATION NUMBER: 07/989, 849
FILING DATE: December 7, 1992
ATTORNEY/AGENT INFORMATION:
NAME: Warburg, Richard J.
REGISTRATION NUMBER: 32,327
REFERENCE/DOCKET NUMBER: 208/149
TELECOMMUNICATION INFORMATION:
TELECOMMUNICATION INFORMATION:
TELECOMMUNICATION 1899-1600
TELECOMMUNICATION 1899-1600
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         RESULT 12
US-08-273-776-12
Sequence 12, Application US/08273776
Patent No. 5510084
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Gaps
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Sequence 2, Application US/08358995;
Factor No. 574638
GENERAL INFORMATION:
APPLICANT: Akio YAMANE
TITLE OF INVENTION: Microtiter Well For Detecting
TITLE OF INVENTION: Nucleic Acid
NUMBER OF SEQUENCES: 29
CORRESPONDENCE ADDRESS:
ADDRESSEE: Wenderoth, Lind & Ponack
STREET: 805 Fifteenth Street, N.W., #700
CITY: Washington
STATE: D.C.
COUNTRY: U.S.A.
                                  ZIP: 20005
COMPUTER READABLE FORM:
MEDIUM TYPE: FIOPPY disk
COMPUTER: IBM PC Compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin PC-DOS/MS-DOS
SOFTWARE: Patentin PC-DOS/MS-DOS
SOFTWARE: Patentin PC-DOS/MS-DOS
SOFTWARE: Patentin PC-DOS/MS-DOS
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/25,892
FILING DATE: US/08/25,892
FILING DATE: 11-FBB-1992
ATTORNEY/AGENT INFORMATION:
NAME: DEBAUER: DONALD B:
REGISTRATION NUMBER: 23,048
REGISTRATION NUMBER: 23,048
TELEBCOMMUNICATION INFORMATION:
TELEBCOMMUNICATION INFORMATION:
TELEBCOMMUNICATION FOR SEQ ID NO: SEQUENCE CHARACTERISTICS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   36.7%; Score 11; DB 1; L6 100.0%; Pred. No. 8.1e+02; tive 0; Mismatches 0;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           ZUP: 12005
ZIP: 10005
ZUP: 20005
COMPUTER READABLE FORM:
MEDIUM TYPE: Diskette, 5.25 inch, 50
COMPUTER: IBM Compatible
OPERATING SYSTEM: MS-DOS
SOFTWARE: Wordperfect 5.1
CURRENT APPLICATION NUMBER: US/08/358,995
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              FILING DATE:
CLASSIFTCATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/004,572
FILING DATE: January 14, 1993
APPLICATION NUMBER: 07/722,673
FILING DATE: June 28, 1991
ATTORNEY/AGENT INFORMATION:
NAME: Warren M. Cheek Jr.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             MOLECULE TYPE: DNA (genomic)
US-08-255-892-42
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Query Match
Best Local Similarity 100.
Matches 11, Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              LENGTH: 18 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  3 GACAGAGCCCA 13
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            linear
                 COUNTRY: US
ZIP: 20005
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     RESULT 14
US-08-358-995-2/c
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            TOPOLOGY:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       ò
                      APPLICANT: Cros, Phillippe
APPLICANT: Allibert, Patrice Andre
APPLICANT: Allibert, Patrice Andre
APPLICANT: Dalbon, Pascal Thierry
TITLE OF INVENTION: Process for Immobilizing a Nucleic Acid
TITLE OF INVENTION: Fragment by Passive Attachement to a Solid Substrate, the
TITLE OF INVENTION: Solid Substrate thus Obtained and Its Use.
NUMBER OF SEQUENCES: 12
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 ô
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APPLICANT: CROS, PHILIPPE
APPLICANT: ALLIBERT, PATRICE
APPLICANT: MALLET, FRANCOIS
APPLICANT: MALLET, FRANCOIS
APPLICANT: MALLET, FRANCOIS
APPLICANT: MALLET, FRANCOIS
APPLICANT: MANDRAND, BERNARD
TITLE OF INVENTION: PROCEDURE FOR DETECTION OF A NUCLEOTIDE
TITLE OF INVENTION: TECHNIQUE
TITLE OF INVENTION: TECHNIQUE
NUMBER OF SEQUENCES: 113
CORRESPONDENCE ADDRESS:
ADDRESSEE: CUSHWAN, DARBY & CUSHWAN
STREET: 1100 NEW YORK AVENUE, N.W.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               36.7%; Score 11; DB 1; Length 18; 100.0%; Pred. No. 8.1e+02;
                                                                                                                                                                                 CORRESPONDENCE ADDRESS:
ADDRESSE: Oliff and Berridge
STREET: 700 S. Washington St.
CITY: Alexandria
STATE: Virginia
COUVIRY: USA
ZIP: 2214
COMPUTER REABABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC Compatible
COMPUTER: IBM PC Compatible
COMPUTER: BEN PC COMPATIBLE
COMPATING SYSTEM: PC-DOS/WS-DOS
SOFTWARE: PACENTIN Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/273,776
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              100.0%; Pred. ....
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CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION DATA:
APPLICATION DATA:
APPLICATION NUMBER: US 07/913,953
FILING DATE: 17-JUL-1992
ATTORNEY/AGENT INFORMATION:
NAME: BERIAGE, WIlliam P.
REGISTRATION NUMBER: 30,024
REFERENCE/DOCKET NUMBER: WPB28083
TELECOMMUNICATION INFORMATION:
TELEPHONE: (703) 836-6400
TELEFAX: (703) 836-2787
TELEFAX: 90-1799 PTO ALEX
INFORMATION FOR SEQ ID NO: 12:
SEQUENCE CHARACTERISTICS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Sequence 42, Application US/08255892
Patent No. 5695926
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Best Local Similarity
Matches 11; Conserv
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GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             MOLECULE TYPE: DN HYPOTHETICAL: NO
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             STRANDEDNESS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            ; ANTI-SENSE: NO US-08-273-776-12
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US-08-255-892-42
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TITLE OF INVENTION: acids, products of expression of such sequences and TITLE OF INVENTION: application as immunogenic compositions.

NUMBER OF SEQUENCES: 31
CORRESPONDENCE ADDRESS: 31
CORRESPONDENCE ADDRESS: ADDRESS: Walter H. Dreger STREET: 4 Embarcadero Center, Suite 3400
CITY: San Francisco
CITY: San Francisco
COUNTRY: U.S.A.
ZIP: 94111
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC Compatible
COMPUTER: IBM PC Compatible
COMPUTER: IBM PC COMPATIBLE FORM:
COMPUTER: PLOSTER:
COMPUTER
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                                                                                                                                                                                                                                                                                                                                                                                                                                  OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/473,020A
FILING DATE: 06-JUN-1995
CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 07/623,729
FILING DATE: 14-DEC-1990
ATTORNEY/AGENT INFORMATION:
NAME: Dreger, Walter H
REGISTRATION NUMBER: 24190
REFERENCE/DOCKET NUMBER: A54435
TELECOMMUNICATION INFORMATION:
TELECOMMUNICATION INFORMATION:
TELECOMMUNICATION INFORMATION:
TELECOMMUNICATION SEQ ID NO: 13:
SEQUENCE CHARACTERISTICS:
LENGTH: 20 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TYPE: Innear
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           100.0%; Pred. No.
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Best Local Similarity
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US-08-473-020A-13
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Patent No. 5877273
GENERAL INFORMATION:
GENERAL INFORMATION:
APPLICANT: Hance, Allan J
APPLICANT: Levy-Frebault, Veronique
APPLICANT: Grandchamp-Desraux, Bernard
APPLICANT: Gicquel, Brigitte
APPLICANT: Gicquel, Brigitte
TITLE OF INVENTION: Nacleotide sequences of actinomycetales,
TITLE OF INVENTION: applications to the synthesis or detection of nucleic
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      ö
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NAME/KEY:
NAME/KEY:
LOCATION:
LOCATION:
IDENTIFICATION METHOD:
OTHER INFORMATION: 5' end with a spacer"
PUBLICATION INFORMATION:
AUTHORS:
TITLE:
JOURNAL:
VOLUME:
ISSUE:
PAGES:
                                                                                                                                         INFORMATION FOR SEQ ID NO: 2:
SEQUENCE CHARACTERISTICS:
LENGTH: 20 bases
TYPE: nucleic acid
STRANDEDNESS: single
TOOPLOGY: linear
MOLECULE TYPE: other nucleic acid
HYPOTHETICAL:
ANTT-SENSE:
FRAGMENT TYPE:
ORIGINAL SOUNCE:
ORGANISM:
STRAIN:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      DATE:
DOCUMENT NUMBER:
FILING DATE:
PUBLICATION DATE:
RELEVANT RESIDUES IN SEQ ID NO:
US-08-358-995-2
REGISTRATION NUMBER: 33,367
REFERENCE/DOCKET NUMBER:
TELECOMMUNICATION: INFORMATION:
TELEPHONE: 202-371-8856
TELEX:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Query Match
Best Local Similarity 100.
Matches 11; Conservative
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DEVELOPMENTAL STAGE:
HAPLOTYPE:
TISSUE TYPE:
CELL TYPE:
ORGANELLE:
IMMEDIATE SOURCE:
LIBRARY:
CLONE:
POSITION IN GENOME:
CHROMOSOME/SEGMENT:
MAP POSITION:
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US-08-473-020A-13/c
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CGDTZ 6/ptodata/2/pna/USO6_COMB.seq:*
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CGDTZ 6/ptodata/2/pna/USO99B_COMB.seq:*
CGDTZ 6/ptodata/2/pna/USO99B
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/cgn2_6/ptodata/2/pna/US102B_COMB.seq
GenCore version 5.1.6
Copyright (c) 1993 - 2003 Compugen Ltd.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       24791104 seqs, 12571243825 residues
                                                                                                                                                                                                                                                                                                                                                                                    1 CTGACAGAGCCCAACTCTTCGCGGTGGCAG 30
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Total number of hits satisfying chosen parameters:
                                                                                                                         OM nucleic - nucleic search, using sw model
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Post-processing: Listing first 45 summaries
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Gapop_60.0 , Gapext 60.0
                                                                                                                                                                                                                                                                                                                US-08-770-564A-5
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cgn2_6/ptodata/2/pna/US6001_COMB.seq:
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cgn2_6/ptodata/2/pna/US6002_COMB.seq:
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cgn2_6/ptodata/2/pna/US6032_COMB.seq:
cgn2_6/ptodata/2/pna/US6032_COMB
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Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

						SUMMARIES		
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×	Reguit	07000	Query	Query Match Length DB	0	ť.	30000	
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	1	30	100.0	30	7	PCT-US97-23619-5	Sequence 5, Appli	
	7	30	100.0	30	11	US-08-770-564A-5	Sequence 5, Appli	
-	ر د	24	80.0	24	σ	US-08-521-634-15	Sequence 15, Appl	
	4	20	66.7	20	7	PCT-US97-23619-6	6,7	
	Ŋ	20	66.7	20	-1	PCT-US97-23619-7		
	Q	20	66.7	20	11	US-08-770-564A-6	φ	
	7	20	66.7	20	11	US-08-770-564A-7	Sequence 7, Appli	
	6 0	18	0.09	25	36	US-09-956-604-105231	Sequence 105231,	
-	6	18	0.09	25	36	US-09-956-604A-105231	Sequence 105231,	
_	c 10	18	0.09	25	36	US-09-956-604B-105231	Sequence 105231,	
_	11	18	0.09	25	67	US-60-234-049-86453	Seguence 86453, A	
	12	13	43.3	25	11	US-09-396-196F-124326	Sequence 124326,	
	13	13	43.3	25	17	US-09-396-196G-124326	Sequence 124326,	
•	•	13	43.3	25	56	US-09-660-220-66821	Sequence 66821, A	
_		13	43.3	25	56	US-09-660-220-66822	66822,	
•	c 16	13	43.3	25	26	US-09-660-220-66827	Sequence 66827, A	
_	•	13	43.3	25	56	US-09-660-220-66828	Sequence 66828, A	
_		13	43.3	25	56	US-09-660-220-66829	Sequence 66829, A	
	13	13	43.3	25	36	US-09-956-584-314490	Sequence 314490,	
	20	13	43.3	25	36	US-09-956-584-314500	Sequence 314500,	
	21	13	43.3	25	67	US-60-234-017-309805	Sequence 309805,	

Length 30;

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US-US-TYU-564A-5

| Sequence 5. Application US/08770564A
| Sequence 5. Application US/08770564A
| SEQUENCE N. Evaley, James T. |
| APPLICANT: Kealey, James T. |
| APPLICANT: PLOZAH, Ron |
| TITLE OF INVENTION: Inhibitory Polymucleotides Directed |
| TITLE OF INVENTION: Against the RNA Component of Telomerase |
| UNMBER OF SEQUENCES: 15 |
| CORRESPONDENCE ADDRESS: 15 |
| CORRESPONDENCE ADDRESS: 16 |
| ADDRESSEE: TWO SEMBATCAGETO CENTER, 8th Floor |
| STREET: TWO SEMBATCAGETO CENTER, 8th Floor |
| STREET: TWO SEMBATCAGETO CENTER, 8th Floor |
| CITY: San Prancisco |
| STREET: TWO SEMBATCAGETO CENTER, 8th Floor |
| STREET: TWO SEMBATCAGETO CENTER, 8th Floor |
| STREET: TWO SEMBATCAGETO CENTER, 8th Floor |
| COMPUTER: IBM PC compatible |
| COMPUTER: ELONGES: 1906 |
| OPERATING SYSTEM: PC-DOS/MS-DOS |
| SOFTWARE: Patentin Release #1.0, Version #1.30 |
| CURRENT APPLICATION DATA: 1806/770,564A |
| ATTORNEY/AGENT INFORMATION: |
| NAME: Storella, John R. |
| REGISTRATION NUMBER: 32,944 |
| REGISTRATION NUMBER: 015389-002200US |
| TELECOMMUNICATION INFORMATION: |
| NAME: Storella, John R. |
| REGISTRATION NUMBER: 015389-002200US |
| TELECOMMUNICATION INFORMATION: |
| TELEPHONE: 415-576-020 |
| TREADERS: 115-576-030 |
| TREADERS: 1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Query Match 100.0%; Score 30; DB 11; Length 30; Best Local Similarity 100.0%; Pred. No. 1.1e-06; Matches 30; Conservative 0; Mismatches 0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                          Query Match
100.0%; Score 30; DB 1; 1
Best Local Similarity 100.0%; Pred. No. 1.1e-06;
Matches 30; Conservative 0; Mismatches 0;
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                                                                                                                                                                                                                                                                                                 ; LOCATION: 1..30
; OTHER INFORMATION: /note= "oligo 16"
PCT-US97-23619-5
LENGTH: 30 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: DNA
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     TYPE: nucleic acid
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                                                                                                                                                                                                                                   NAME/KEY:
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US-08-521-634-15/c
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US-08-770-564A-5
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                                                                                                                                                                                                                  FEATURE:
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                                                                                                                                                                      Sequence 18382, A Sequence 7, Appli Sequence 5, Appli Sequence 5, Appli Sequence 5, Appli Sequence 5, Appli Sequence 14041, A Sequence 140
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                                                    Sequence 281714
Sequence 534052
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Sequence 64304
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                                                                                                                                            Sequence 63
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APPLICANT:
APPLICANT:
APPLICANT:
TITLE ON INVENTION: Methods for Detecting and Inhibiting the TITLE OF INVENTION: RNA Component of Telomerase NUMBER OF SEQUENCES: 29
CORRESPONDENCE ADDRESS:
ADDRESSEE: Townsend and Townsend and Crew LLP
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
COMPUTER: IBM PC compatible
SOFTWARE: PatentIn Release #1.0, Version #1.30
GURRENT APPLICATION DATA:
APPLICATION NUMBER: PCT/US97/23619
FILING DATE: Not yet assigned
    7 US-60-234-017-309812

9 US-60-353-987-281714

9 US-60-353-987-281714

9 US-60-353-987-625356

9 US-60-353-987-625356

1 US-60-171-431-18382

1 US-09-724-750-18382

1 US-09-724-750-18382

1 US-09-724-750-18382

1 US-09-41-893A-5

5 US-09-252-06A-5

8 US-10-199-209-5

1 US-10-199-209-5

9 US-10-199-209-5

9 US-10-199-209-5

9 US-10-199-209-5

1 US-10-227-563-14041
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US-09-396-196F-34092
US-09-396-196F-49755
US-09-396-196F-49758
US-09-396-196F-49759
US-09-396-196F-49759
US-09-396-196F-49769
US-09-396-196F-49760
US-09-396-196F-64304
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            ALIGNMENTS
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APPLICATION NUMBER: US 08/770,564
FILING DATE: 20-DEC-1996
FILING DATE: 20-DEC-1996
FILING DATE: 20-DEC-1996
ATTORNEY/AGENT INFORMATION:
NAME: Storella, John R.
REGISTRATION NUMBER: 32,944
REGISTRATION NUMBER: 32,944
REGISTRATION NUMBER: 32,944
REGISTRATION NUMBER: 15389-27PC
TELECOMMUNICATION INFORMATION:
TELEPHONE: (415) 576-0200
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Sequence 5, Application PC/TUS9723619
GENERAL INFORMATION:
APPLICANT:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       TELEPHONE: (415) 576-0200
TELEFAX: (415) 576-0300
INFORMATION FOR SEQ ID NO: 5:
SEQUENCE CHARACTERISTICS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          CLASSIFICATION:
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Pred. No. 0.61;
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                                                                                                                                                                                                               COMPUTER READABLE FORM:
MEDLIUM TYPE: Floppy disk
COMPUTER: Floppy disk
COMPUTER: Floppy disk
COMPUTER: PATENT COMPATIBLE
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PATENTIN Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: PCT/US97/23619
FILLING DATE: NOT yet assigned
CLASSIFICATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  T: Two Embarcadero Center, Eighth Floor San Francisco California
                                   CORRESPONDENCE ADDRESS:
ADDRESSEE: Townsend and Townsend and Crew LLP STREET: Two Embarcadero Center, Eighth Floor
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Mismatches
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1.20
1.20CATION: 1..20
1.20THER INFORMATION: /note= "oligo 16ab"
PCT-US97-23619-6
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PRICE SPITION DATA:
APPLICATION NUMBER: US 08/770,564
FILING DATE: 20-DEC-1996
PRICE REPLICATION DATA:
APPLICATION NUMBER: US 08/770,565
FILING DATE: 20-DEC-1996
ATTORNEY/AGENT INFORMATION:
NAME: Storella, John R.
REGISTRATION NUMBER: 32,944
REGISTRATICATION NUMBER: 32,944
REGISTRATION NUM
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100.0%; Pre
0;
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Best Local Similarity 100.
Matches 20; Conservative
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APPLICANT:
APPLICANT:
TITLE OF INVENTION: MACH
TITLE OF INVENTION: RNA
NUMBER OF SEQUENCES: 29
CORRESPONDENCE ADDRESSS:
ADDRESSEE: Townsend an
                                                                                                 STREET: Two Embarcade CITY: San Francisco STATE: California COUNTRY: USA
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EDNESS: single
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ZIP: 94111-3834
COMPUTER READABLE FORM:
         NUMBER OF SEQUENCES:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                TOPOLOGY: linear MOLECULE TYPE: DNA
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PCT-US97-23619-7
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APPLICANT:
APPLICANT:
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                                                                                                                                                                                                                                                                                E: Townsend and Townsend and Crew
One Market Plaza, Steuart Tower, Suite 2000
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                CURRENT APPLICATION DATA:

CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/08/521,634

FILING DATE: 31-AUG-1995

CLASSIPICATION: 435

RIOR APPLICATION DATA:

APPLICATION NUMBER: US 08/482,115

FILING DATE: 7-JUN-1995

PRIOR APPLICATION DATA:

APPLICATION NUMBER: US 08/472,802

FILING DATE: 7-JUN-1995

PRIOR APPLICATION DATA:

APPLICATION NUMBER: US 08/330,123

FILING DATE: 27-CCT-1994

PRIOR APPLICATION NUMBER: US 08/272,102

FILING DATE: 7-JUL-1994

ATTORNEY/AGENT INFORMATION:

REGISTRATION NUMBER: 34,587

REGISTRATION NUMBER: 15389-000850

TELEROOMMULCATION INFORMATION:

TELECOMMULCATION INFORMATION:

TELECOMMULCATION INFORMATION:

TELECOMMULCATION INFORMATION:

TELECOMMULCATION INFORMATION:

TELECOMMULCATION INFORMATION:
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                                                                                    APPLICANT: FERGY JUILIA
APPLICANT: FUNK, Walter
APPLICANT: Andrews, William
TITE OF INVENTION: Mammalian Telomerase
NUMBER OF SEQUENCES: 66
CORRESPONDENCE ADDRESS:
ADDRESSEE: Townsend and Commsend and Co
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      / MOLECULE TYPE: DNA (oligonucleotide)
US-08-521-634-15
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     3 GACAGAGCCCAACTCTTCGCGGTG 26
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MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
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GENERAL INFORMATION:
APPLICANT:
Application US/08521634
                                                                Villeponteau, Bryant
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   TELEPAX: 415-326-2422
INPORMATION FOR SEQ ID NO:
SEQUENCE CHARACTERISTICS:
LENGTH: 24 base pairs
                                                                                                                                                                                                                                                                                                          STREET: One Market Pl.
CITY: San Francisco
STATE: California
COUNTRY: USA
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STRANDEDNESS: single
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APPLICANT:
TITLE OF INVENTION:
TITLE OF INVENTION:
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PCT-US97-23619-6
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GENERAL INFORMATION:
APPLICANT: Kealey, James T.
APPLICANT: Pruzan, Ron
APPLICANT: Weinrich, Scott L.
TITLE OF INVENTION: Inhibitory Polymucleotides Directed
TITLE OF INVENTION: Against the RNA Component of Telomerase
NUMBER OF SEQUENCES: 15
CORRESPONDENCE ADDRESS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Score 20; DB 11; Length 20;
Pred. No. 0.61;
0; Mismatches 0; Indels
                                                                                                                                                                                                                                              DB 11; Length 20; 0.61;
                                                                                                                                                                                                                                                                                       0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       COUNTRY: USA

ZIF: 94111
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/770,564A
FILING DATE: 20-DEC-1996
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            ISSEB: TOWNSEND and TOWNSEND and CREW LLP
T: Two Embarcadero Center, 8th Floor
San Francisco
CA
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NAME: Storella, John R.
REGISTRATION NUMBER: 32,944
REFRENCE/DOCKET NUMBER: 0153
TELECOMMUNICATION INFORMATION:
TELEPHONE: 415-576-0200
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Query Match 66.7%; Soc
Best Local Similarity 100.0%; P:
Matches 20; Conservative 0;
                                                                                                                                                                                                                                            Query Match 66.7%; Sc
Best Local Similarity 100.0%; P
Matches 20; Conservative 0;
FELECOMMUNICATION INFORMATION:
          TELEPHONE: 415-576-0200
TELEFAX: 415-576-0300
INFORMATION FOR EQ. ID NO: 6
SEQUENCE CHARACTER FSITCS:
LENGTH: 20 base pairs
TYPE: nucleic acid
STRANDEDNESS: aingle
TOPOLOGY: linear
NOLECULE TYPE: DNA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 TELEFAX: 415-576-0300
INFORMATION FOR SEQ ID NO:
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LENGTH: 20 base pairs
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               ADDRESSEE:
                                                                                                                                                                                                                                                                                                                                                                                                                                 RESULT 7
US-08-770-564A-7
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APPLICANT: Fuzan, Ron
APPLICANT: Pruzan, Ron
APPLICANT: Weinrich, Scott L.
TITLE OF INVENTION: Inhibitory Polynucleotides Directed
TITLE OF INVENTION: Against the RNA Component of Telomerase
NUMBER OP SEQUENCES: 15
CORRESPONDENCE ADDRESS:
ADDRESSEE: TOWNSEND and TOWNSEND and CREW LLP
STREET: Two Embarcadero Center, 8th Floor
CITY: San Francisco
STATE: CA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     DB 1; Length 20;
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                                              OFFWARING SYSTEM:
CURRENT APPLICATION DATA:
APPLICATION NUMBER:
PETING DATE:
PLING DATE:
PRIOR APPLICATION DATA:
APPLICATION NUMBER:
PRIOR APPLICATION DATA:
APPLICATION DATA:
APPLICATION DATA:
APPLICATION NUMBER: US 08/770,564
FILING DATE: 20-DEC-1996
PRIOR APPLICATION NUMBER: US 08/770,565
ATTORNEY/AGENT INFORMATION:
NAMME: SLOCFILA, JOHN R.
REGISTRATION NUMBER: 13399-27PC
TELECOMMUNICATION NUMBER: 15389-27PC
TELECOMMUNICATION NUMBER: 15389-27PC
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        SOFTWARE: Patentin Release #1.0, Version #1.30 CURRENT APPLICATION DATA:
FILLING DATE: 05/08/770,564A
FILLING DATE: 20-DEC-1996
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     CLASSIFICATION: 514
ATTORNEY/AGENT INFORMATION:
NAME: Storella, Obh R.
REGISTRATION NUMBER: 32,944
REFERENCE/DOCKET NUMBER: 015389-002200US
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Query Match 66.7%; Score 20; DB Best Local Similarity 100.0%; Pred. No. 0.6 Matches 20; Conservative 0; Mismatches
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              COMPUTER: IBM PC compatible OPERATING SYSTEM: PC-DOS/MS-DOS
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COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
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TELEPRONE: (415) 576-0200
INFORMATION FOR SEQ ID NO: 7:
SEQUENCE CHARACTERISTICS:
LENGTH: 20 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
Floppy disk
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      ZIP: 94111
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               ; NAME/KEY: -
; LOCATION: 1..20
; OTHER INFORMATION:
PCT-US97-23619-7
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        TOPOLOGY: linear AOLECULE TYPE: DNA
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MEDIUM TYPE:
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RESULT 13
US-09-396-196G-124326
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TITLE OF INVENTION: Methods of Genetic Analysis of Escherichia coli
TITLE OP INVENTION: Methods of Genetic Analysis of Escherichia coli
FILE REFERENCE: 3117.1
CURRENT APPLICATION NUMBER: US/09/956,604A
CURRENT FILING DATE: 2001-09-19
PRIOR FILING DATE: 2000-09-19
NUMBER OF SEQ ID NOS: 141629
SOFTWARE: Microarray Probe Sequence Listing Generator V 1.1
SEQ ID NO 105231
                                                      APPLICANT: Mittmann, Michael
TITLE OF INVENTION: Methods of Genetic Analysis of Escherichia coli
FILE REPRENCE: 3117.1
CURRENT APPLICATION NUMBER: US/09/956,604
CURRENT FILING DATE: 2001-09-19
PRIOR APPLICATION NUMBER: 60/234,049
NUMBER OF SEQ ID NOS: 141629
SOFTWARE: Microarray Probe Sequence Listing Generator V 1.1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Sequence 105231, Application US/09956604B
GENERAL INFORMATION:
APPLICANT: Mittenan, Michael
TITLE OF INVENTION: Methods of Genetic Analysis of Escherichia coli
FILE REFERENCE: 3117.1
CURRENT PELING DATE: 2001-09-19
PRIOR APPLICATION NUMBER: 60/234,049
PRIOR PILING DATE: 2000-09-19
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                                                                                                                                                                                                                                                                                                                                                                                                  DB 36; Length 25;
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SOFTWARE: Microarray Probe Sequence Listing Generator V 1.1
SEQ ID NO 105231
LENGTH: 25
                                                                                                                                                                                                                                                                                                                                                                                                                                           0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                           Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               US-09-956-604A-105231/c
; Sequence 105231, Application US/09956604A
; GENERAL INFORMATION:
                    Sequence 105231, Application US/09956604 GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                           Query Match 60.0%; Sc
Best Local Similarity 100.0%; P.
Matches 18; Conservative 0;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      12 CAACTCTTCGCGGTGGCA 29
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; ORGANISM: Escherichia coli
US-09-956-604-105231
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Best Local Similarity 100.0
Matches 18; Conservative
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CRGANISM: Escherichia coli
US-09-956-604B-105231
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US-09-956-604A-105231
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US-09-956-604B-105231/c
US-09-956-604-105231/c
                                                                                                                                                                                                                                                            SEQ ID NO 105231
LENGTH: 25
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DB 36; Length 25;
8.4;
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                                                                                                                                                                                                                                                                                      APPLICANT: Mitchan, Michael
APPLICANT: Mitchann, Michael
APPLICANT: Mitchann, Michael
APPLICANT: Mitchann, Michael
TITLE OF INVENTION: Methods of Genetic Analysis of
TITLE OF INVENTION: Escherichia coli
FILE REPERENCE: 3117
CURRENT APPLICATION NUMBER: US/60/234,049
CURRENT FILING DATE: 2000-09-19
NUMBER OF SEQ ID NOS: 141629
SOFTWARE: FastSEQ for Windows Version 4.0
LENGTH: 25
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        APPLICANT: Michael Mittmann
APPLICANT: David Mack
APPLICANT: David Lockhart
APPLICANT: David Lockhart
TITLE OF INVENTION: Methods of Genetic Analysis
FILE REPRESENCE: 3101.1
CURRENT APPLICATION NUMBER: US/09/396,196F
CURRENT PILING DATE: 2001-09-15
PRIOR APPLICATION NUMBER: 60/100,678
PRIOR PILING DATE: 1998-09-17
NUMBER OF SEQ ID NOS: 127806
SOFTWARE: FASTES OF OF Windows Version 4.0
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100.0%; Pred. No. 6.1e+03;
iive 0; Mismatches 0;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Query Match
60.0%; Score 18; DB
Best Local Similarity 100.0%; Pred. No. 8.4
Matches 18; Conservative 0; Mismatches
Query Match 60.0%; Score 18; DB Best Local Similarity 100.0%; Pred. No. 8.4 Best Local Similarity 0.00; Phismatches 18; Conservative 0; Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   PUBLICATION INFORMATION:
DATABASE ACCESSION NUMBER: Genbank U00096
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              ; Sequence 124326, Application US/09396196F; GENERAL INFORMATION:
                                                                                                                                                                                                                                US-66-234-049-86453/c
; Sequence 86453, Application US/60234049
; GENERAL INFORMATION:
                                                                                           12 CAACTCTTCGCGGTGGCA 29
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                                                                                                                                       21 CAACTCTTCGCGGTGGCA 4
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ORGANISM: Eschericia coli
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            13; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        ; ORGANISM: mus musculus
US-09-396-196F-124326
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Query Match
Best Local Similarity
Matches 13; Conserv
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US-09-396-196F-124326
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LENGTH: 25
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SOFTWARE:
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GENERAL INFORMATION:
APPLICANT: Mittmann et al.
APPLICANT: Affirment at al.
FILE OF INVENTION: Methods of Genetic Analysis of Human;
FILE REPREBICE: 3102.1
CURRENT APPLICATION NUMBER: US/09/660,220;
CURRENT FILING DATE: 2000-09-12;
PRIOR PILING DATE: 2000-09-12;
PRIOR FILING DATE: 1999-11-11;
NUMBER OF SEQ ID NOS: 140981;
SOFTWARE: FREEEQ for Windows Version 4.0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Length 25;
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APPLICANT: Affymerrix, Inc.
TILLE OF INVENTION: Methods of Genetic Analysis of Human
FILE REFERENCE: 3102.1
CURRENT APPLICATION NUMBER: US/09/660,220
CURRENT APPLICATION NUMBER: 00/09-12
PRIOR APPLICATION NUMBER: 60/164,973
PRIOR FILING DATE: 1999-11-11
"WUMBER OF SEQ ID NOS: 140981
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Score 13; DB 26; I
Pred. No. 6.1e+03;
0; Mismatches 0;
                                           APPLICANT: Michael Mittmann
APPLICANT: Michael Mittmann
APPLICANT: David Mack
APPLICANT: David Lockhart
APPLICANT: Affwetrix, Inc.
TITLE OF INVENTION: Methods of Genetic Analysis
FILE REFERENCE: 3101.1
CURRENT APPLICATION NUMBER: US/09/396,196G
CURRENT FILING DATE: 1999-09-15
PRIOR APPLICATION NUMBER: 60/100,678
PRIOR FILING DATE: 1998-09-17
NUMBER OF SEQ ID NOS: 127806
SOFTWARE: FREESEQ for Windows Version 4.0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Query Match 43.3%; Score 13; DB 17; 1
Best Local Similarity 100.0%; Pred. No. 6.1e+03;
Matches 13; Conservative 0; Mismatches 0;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    ; PUBLICATION INFORMATION:
; DATABASE ACCESSION NUMBER: GenBank M95740
US-09-660-220-66821
Sequence 124326, Application US/09396196G.
GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         US-09-660-220-66822/c
; Sequence 66822, Application US/09660220
; GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       43.3%; SCOI=
100.0%; Pred
0; N
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                                                                                                                                                                                                                                                                                                                                                                             TYPE: DNA
CORGANISM: mus musculus
US-09-396-196G-124326
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              ORGANISM: Homo Sapiens
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Query Match
Best Local Similarity
Matches 13; Conserv
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     US-09-660-220-66821/c
                                                                                                                                                                                                                                                                                                                               SEQ ID NO 124326
LENGTH: 25
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          SEQ ID NO 66821
LENGTH: 25
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; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 66822
; LENGTH: 25
; TYPE: DNA
; ORGANISM: Homo Sapiens
; PUBLICATION INFORMATION:
; PUBLICATION INFORMATION:
; DATABASE ACCESSION NUMBER: GenBank M95740
US-09-660-220-66822

Query Match
US-09-660-220-66822

Query Match
Sext Local Similarity 100.0%; Pred. No. 6.1e+03;
Matches 13; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY
SCACAGCCCAACTC 17

| | | | | | | | | | | | | |
Db 13 CACAGCCCAACTC 17

Search completed: June 23, 2003, 16:08:18
Job time: 2517.25 secs
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June 23, 2003, 05:45:21 ; Search time 1316.89 Seconds (without alignments) 158.668 Million cell updates/sec
                                                                                                                                                                                                                                                                                                                                                                                                     8653682
GenCore version 5.1.6
Copyright (c) 1993 - 2003 Compugen Ltd.
                                                                                                                                                                                                                          1 CTGACAGAGCCCAACTCTTCGCGGTGGCAG 30
                                                                                                                                                                                                                                                                                                                                                                                                 Total number of hits satisfying chosen parameters:
                                                                                                                                                                                                                                                                                                                       7820798 seqs, 3482471992 residues
                                                                     OM nucleic - nucleic search, using sw model
                                                                                                                                                                                                                                                              OLIGO NUC
Gapop 60.0 , Gapext 60.0
                                                                                                                                                                                  US-08-770-564A-5
30
                                                                                                                                                                                                                                                                                                                                                                                                                                      Minimum DB seq length: 0 Maximum DB seq length: 50
                                                                                                                                                                                                                                                                                                                                                             0
                                                                                                                                                                                    Title:
Perfect score:
                                                                                                                                                                                                                                                                  Scoring table:
                                                                                                                                                                                                                                                                                                                                                             Word size :
                                                                                                                                                                                                                            Sequence:
                                                                                                                                                                                                                                                                                                                       Searched:
                                                                                                             Run on:
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Database : Pending_Patents_NA_New:*

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2: /cgn2_6/ptcdata/1/pna/USG_NEW_COMB.seq:*

3: /cgn2_6/ptcdata/1/pna/USG_NEW_COMB.seq:*

4: /cgn2_6/ptcdata/1/pna/USG_NEW_COMB.seq:*

5: /cgn2_6/ptcdata/1/pna/USG_NEW_COMB.seq:*

6: /cgn2_6/ptcdata/1/pna/USG_NEW_COMB.seq:*

7: /cgn2_6/ptcdata/1/pna/USG_NEW_COMB.seq2:*

8: /cgn2_6/ptcdata/1/pna/USG_NEW_COMB.seq2:*

9: /cgn2_6/ptcdata/1/pna/USG_NEW_COMB.seq2:*

10: /cgn2_6/ptcdata/1/pna/USG_NEW_COMB.seq2:*

11: /cgn2_6/ptcdata/1/pna/USG_NEW_COMB.seq2:*

12: /cgn2_6/ptcdata/1/pna/USG_NEW_COMB.seq2:*

13: /cgn2_6/ptcdata/1/pna/USG_NEW_COMB.seq2:*

13: /cgn2_6/ptcdata/1/pna/USG_NEW_COMB.seq2:*

13: /cgn2_6/ptcdata/1/pna/USG_NEW_COMB.seq2:*

13: /cgn2_6/ptcdata/1/pna/USG_NEW_COMB.seq2:*

Post-processing: Listing first 45 summaries

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

		de					
Result No.	Score	Query	Query Match Length DB	DB	ID	Description	
0	22	73.3	23	; ; ;	PCT-US03-04088-522	Sequence 522, App	
0	19	63.3	21	н	PCT-US03-04088-540	540,	_
٣	19	63.3	21	Н	PCT-US03-04088-544	Sequence 544, App	_
Ω	19	63.3	21	-	PCT-US03-04088-548	Sequence 548, App	_
S	19	63.3	21	-	PCT-US03-04088-552	Sequence 552, App	_
0	19	63.3	21	Н	PCT-US03-04088-556	Sequence 556, App	_
7	19	63.3	21	Н	PCT-US03-04088-560	Sequence 560, App	_
ω υ	18	60.0	19	Н	PCT-US03-04088-23	Sequence 23, Appl	
6	18	60.09	19	Н	PCT-US03-04088-287	Sequence 287, App	_
c 10	16	53.3	21	-	PCT-US03-04088-588	Sequence 588, App	_
c 11	16	53.3	23	-	PCT-US03-04088-530	Sequence 530, App	_
c 12	14	46.7	19	-	PCT-US03-04088-258	_	_
13	14	46.7	21	ч	PCT-US03-04088-593	Sequence 593, App	_
14	14	46.7	25	12	US-60-427-808-47221	Sequence 47221,	A
15	14	46.7	25	12	US-60-427-808-699316	Sequence 699316,	
16	14	46.7	25	12	US-60-427-836-401411	Sequence 401411,	
c 17	14	46.7	25	12	US-60-427-836-529892	Sequence 529892,	
c 18	13	43.3	19	-	PCT-US03-04088-22	Sequence 22, Appl	
19	13	43.3	19	7	PCT-US03-04088-286	Sequence 286, App	_
20	13	43.3	20	7	PCT-US02-21361-189	Sequence 189, App	_

Sequence 189, App		315,	66821	Sequence 66822, A	Sequence 66827, A	Seguence 66828, A	Sequence 66829, A	Sequence 281714,	Sequence 534052,	Sequence 625356,	Sequence 2606, Ap	Sequence 435724,	Seguence 467623,	Sequence 503841,	Sequence 9568, Ap	Sequence 95550, A	Seguence 198381,	Sequence 331174,	Sequence 5, Appli	Sequence 14041, A	Sequence 4756, Ap	Sequence 209, App	6083	Sequence 27816, A
US-10-188-186-189	US-10-160-619-306	US-10-160-619-315	US-09-660-222-66821	US-09-660-222-66822	US-09-660-222-66827	US-09-660-222-66828	US-09-660-222-66829	US-10-355-577-281714	US-10-355-577-534052	US-10-355-577-625356	US-60-427-808-2606	US-60-427-808-435724	US-60-427-808-467623	US-60-427-808-503841	US-60-427-836-9568	US-60-427-836-95550	US-60-427-836-198381	US-60-427-836-331174	US-10-199-209A-5	US-10-367-892-14041	US-10-293-338-4756	US-09-660-222-209	US-09-660-222-6083	US-09-660-222-27816
0	σ	σ	9	9	9	9	9	σ	σ	6	12	12	12	12	12	12	12	12	10	10	σ	9	9	9
20	20	20	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	46	21	24	25	25	25
3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	43.3	3.3	3.3	3.3	3.3	3.3	43.3	43.3	43.3	40.0	40.0	40.0	0.0	0.0
4	4	4	4	4.	4.	4	4	4	4	4	4	4,	4	4	4	4.	4	4	4	4	4	4	4	4
13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	12	12	12	12	12
21	22	23	24	25	56	27	28	29	30	31	32	33	34	32	36	37	38	33	40	41	42	43	44	45
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ALIGNMENTS

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RESULT 1

RESULT 1

Sequence 522, Application PC/TUS0104088

Sequence 522, Application PC/TUS0104088

Sequence 522, Application Sequence 522, Application of Sequence 522, Application Sequence 5222, Application 5222, Applicatio
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Query Match 73.3%; Score 22; DB 1; Length 23; Best Local Similarity 100.0%; Pred. No. 0.0084; Matches 22; Conservative 0; Mismatches 0; Indels 0; Gaps

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GENERAL INFORMATION:

APPLICANT: Ribozyme Pharmaceuticals, Inc.

APPLICANT: Ribozyme Pharmaceuticals, Inc.

APPLICANT: Bejeglama, Leenid

ITILE OF INVENTION: Expression Using Short Interfering RNA (siNA)

TITLE OF INVENTION: Expression Using Short Interfering RNA (siNA)

TITLE OF INVENTION: Expression Using Short Interfering RNA (siNA)

FILE REFERENCE: 02-708-A (400/080)

CURRENT APPLICATION NUMBER: US 60/396,600

FRIOR APPLICATION NUMBER: US 60/396,600

FRIOR APPLICATION NUMBER: US 60/386,580

FRIOR PILING DATE: 2002-02-20

FRIOR PILING DATE: 2002-02-11

FRIOR FILING DATE: 2002-06-6

FRIOR FILING DATE: 2002-06-6

FRIOR PILING DATE: 2002-08-29

FRIOR FILING DATE: 2002-09-09

FRIOR FILING DATE: 2002-09-09

FRIOR PILING DATE: 2002-09-09

FRIOR PILING DATE: 2002-09-09

FRIOR PILING DATE: 2002-09-09

FRIOR PILING DATE: 2002-09-09

FRIOR FILING DATE: 2003-09-15

FRIOR FILING DATE: 2003-09-15
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             TYPE: RNA
ORGANISM: Artificial
PEATURE:
OTHER INFORMATION: Description of Artificial Sequence: sinA antisense region
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 siNA sense region
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Query Match 63.3%; Score 19; DB 1; Length 21; Best Local Similarity 78.9%; Pred. No. 0.46; Matches 15; Conservative 4; Mismatches 0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 OTHER INFORMATION: Description of Artificial Sequence:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             , DOLATION: (20)...(21)
; OTHER INFORMATION: n stands for thymidine PCT-US03-04088-544
PRIOR FILING DATE: 2002-03-11
PRIOR APPLICATION NUMBER: US 60/386,782
PRIOR FILING DATE: 2002-06-06
PRIOR FILING DATE: 2002-06-06
PRIOR FILING DATE: 2002-08-29
PRIOR PRILING DATE: 2002-09-05
PRIOR APPLICATION NUMBER: US 60/409,293
PRIOR FILING DATE: 2002-09-09
PRIOR FILING DATE: 2002-09-09
PRIOR FILING DATE: 2003-09-19
PRIOR FILING DATE: 2003-01-15
NUMBER OF SEQ ID NOS: 626
SSEQ ID NO 544
LENGTH: 21
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Sequence 548, Application PC/TUS0304088 GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              2 TGACAGAGCCCAACTCTTC 20
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          FEATURE:
NAME/KEY: misc_feature
LOCATION: (20)..(21)
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SEQ ID NO 548
LENGTH: 21
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APPLICANT: McSwiggen, James
APPLICANT: Beigelman, Leonid
TITLE OF INVENTION: RNA Interference Mediated Inhibition of Telomerase Gene
TITLE OF INVENTION: Expression Using Short Interfering RNA (siNA)
FILE REFERENCE: 02-708-A (400/080)
CURRENT APPLICATION NUMBER: PCT/US03/04088
FRIOR FILING DATE: 2003-07-17
PRIOR FILING DATE: 2002-07-17
PRIOR PLICATION NUMBER: US 60/358,580
PRIOR APPLICATION NUMBER: US 60/358,580
PRIOR APPLICATION NUMBER: US 60/358,280
PRIOR APPLICATION NUMBER: US 60/358,280
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           OTHER INFORMATION: Description of Artificial Sequence: sinA sense region
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        ;
                                                                                                                                                                                                                                                                                                                                                 APPLICANT: McSwiggen, James
APPLICANT: Beigelman, Leonia
TITLE OF INVENTION: RNA Interference Mediated Inhibition of
TITLE OF INVENTION: Expression Using Short Interfering RNA
FILE REFERENCE: 02-708-A (400/080)
CURRENT APPLICATION NUMBER: PCT/US03/04088
CURRENT FILING DATE: 2003-04-28
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Length 21;
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Best Local Similarity 100.0%; Pred. No. 0.46;
Matches 19; Conservative 0; Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   NAME/KEY: misc_feature
LOCATION: (20)..(21)
COTEN INFORMATION: n stands for thymidine
PCT-US03-04088-540
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         CURRENT FILING DATE: 2003-04-28
PRIOR APPLICATION NUMBER: US 60/396,600
PRIOR PILING DATE: 2002-01-17
PRIOR PELICATION NUMBER: US 60/358,580
PRIOR PELING DATE: 2002-02-20
PRIOR PELING DATE: 2002-03-11
PRIOR PELING DATE: 2002-03-11
PRIOR PILING DATE: 2002-03-11
PRIOR PILING DATE: 2002-06-06
PRIOR PELING DATE: 2002-08-29
PRIOR PILING DATE: 2002-08-29
PRIOR PILING DATE: 2002-08-29
PRIOR PILING DATE: 2002-08-29
PRIOR PILING DATE: 2002-09-05
PRIOR PILING DATE: 2002-09-05
PRIOR PILING DATE: 2002-09-09
PRIOR PILING DATE: 2002-09-09
PRIOR PILING DATE: 2002-09-09
PRIOR PILING DATE: 2003-01-15
NUMBER OF SEQ ID NOS: 626
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Sequence 544, Application PC/TUS0304088
GENERAL INFORMATION:
APPLICANT: Ribozyme Pharmaceuticals, Inc.
                                                                                                                                                                                                                                                      Sequence 540, Application PC/TUS0304088
                                                       CTGACAGAGCCCAACTCTTCGC
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          2 TGACAGGCCCAACTCTTC 20
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                TYPE: RNA
ORGANISM: Artificial
                                                                                                                                                                                        ULT 2
-US03-04088-540/c
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              SEQ ID NO 540
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CCATION: (4). (4)
THER INFORMATION: 2'-deoxy-2'-fluoro
                                                                                                                                                                                                                                                                   NAME/KEY: misc feature
LOCATION: (14)...(19)
OTHER INFORMATION: 2'-deoxy-2'-fluoro
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        PCT-US03-04088-556/c; Sequence 556, Application PC/TUS0304088; GENERAL INFORMATION:
                                                                                                                                                                                 LOCATION: (9). (11)
OTHER INFORMATION: 2'-deoxy-2'-fluoro
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            1 UGACAGAGCCCAACUCUUC 19
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      63.3%;
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SOFTWARE: Patentin version 3.2
SEQ ID NO 556
LENGTH: 21
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   LOCATION: (1). (6)
OTHER INFORMATION: 2'-deoxy
FEATURE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Query Match
Best Local Similarity 78.9
Best Local Similarity 78.9
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                                     : misc_feature
                                                                                                                                                  NAME/KEY: misc_feature
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ORGANISM: Artificial
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PULIOSO-UGUBE-SD2,

GENERAL INFORMATION:

APPLICANT: Ribozyme Pharmaceuticals, Inc.

APPLICANT: Beigelman, Leonid

TITLE OF INVENTION: Expression Using Short Interfering RNA (siNA)

FILE OF INVENTION: Expression Using Short Interfering RNA (siNA)

FILE OF INVENTION: Expression Using Short Interfering RNA (siNA)

FILE OF INVENTION: Expression Using Short Interfering RNA (siNA)

FILE OF INVENTION: Expression Using Short Interfering RNA (siNA)

FILE OF INVENTION: Expression Using Short Interfering RNA (siNA)

FILE OF INVENTION: Expression Using Short Interfering RNA (siNA)

FILE OF INVENTION: Expression Using Short Interfering RNA (siNA)

FRICKENT PILING DATE: 2003-04-28

FRIOR APPLICATION NUMBER: US 60/369, 124

FRIOR APPLICATION NUMBER: US 60/363, 124

FRIOR PILING DATE: 2002-03-11

FRIOR PILING DATE: 2002-06-06

FRIOR FILING DATE: 2002-06-06

FRIOR FILING DATE: 2002-09-05

FRIOR FILING DATE: 2002-09-05

FRIOR FILING DATE: 2002-09-05

FRIOR FILING DATE: 2002-09-09

FRIOR FILING DATE: 2002-09-09
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      NAME/KEY: misc_feature

| LOCATION: (21)...(21)

| OTHER INFORMATION: 3'-3 attached terminal deoxyabasic moeity

PCT-US03-04088-548
OTHER INFORMATION: 5'-3 attached terminal deoxyabasic moeity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Query Match . 63.3%; Score 19; DB 1; Length 21; Best Local Similarity 100.0%; Pred. No. 0.46; Matches 19; Conservative 0; Mismatches 0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                     NAME/KEY: misc feature
LOCATION: (20)...(21)
OTHER INFORMATION: n stands for thymidine
                                                                                       LOCATION: (7). (8)
OTHER INFORMATION: 2'-deoxy-2'-fluoro
                                                                                                                                                                                                       LOCATION: (12)...(15)
OTHER INFORMATION: 2'-deoxy-2'-fluoro
                                                                                                                                                                                                                                                                                                                                    LOCATION: (17)..(18)
OTHER INFORMATION: 2'-deoxy-2'-fluoro
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NUMBER OF SEQ ID NOS: 626
SOFTWARE: PatentIn version 3.2
SEQ ID NO 522
LENGTH: 21
                                                              NAME/KEY: misc feature
                                                                                                                                            FEATURE:
NAME/KEY: misc_feature
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WARKEXY Hist_Estatus

DOWNTON: (0): (10.1 (4) - deoxy-2.-fluoro

NAMEMACXY: Misc_Estatus

OCHER INFORMATION: 2.-deoxy-2.-fluoro

WARKEXY: Misc_Estatus

OCHER INFORMATION: 2.-deoxy-2.-fluoro

FEATURE: MISCERATION: 10.-floatus

OCHER INFORMATION: 10.-floatus
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OTHER INFORMATION: Description of Artificial Sequence: Target sequence/sinA
OTHER INFORMATION: antisense region
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APPLICANT: Ribozyme Danes
APPLICANT: McSwiggen, James
APPLICANT: McSwiggen, James
APPLICANT: Beigelman, Leone Mediated Inhibition of Telomerase Gene
TITLE OF INVENTION: RNA Interference Mediated Inhibition of Telomerase Gene
TITLE OF INVENTION: Expression Using Short Interfering RNA (siNA)
FILE REPERENCE: 02-708-A (400/080)
CURRENT APPLICATION NUMBER: PCT/USO3/04088
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; LOCATION: (20)...(20)
; OTHER INFORMATION: Phosphorothioate 3'-Internucleotide Linkage
PCT-US03-04088-560
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Query Match 63.3%; Score 19; DB 1; Length 21; Best Local Similarity 78.9%; Pred. No. 0.46; Matches 15; Conservative 4; Mismatches 0; Indels
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OTHER INFORMATION: n stands for thymidine
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PRIOR APPLICATION NUMBER: US 60/396,600
PRIOR FILING DATE: 2002-07-17
PRIOR APPLICATION NUMBER: US 60/358,580
PRIOR FILING DATE: 2002-02-20
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        WAME/KEY: misc_feature
LOCATION: (4)..(4)
OTHER INFORMATION: 2'-deoxy-2'-fluoro
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           JOCATION: (9)..(II)
THER INFORMATION: 2'-deoxy-2'-fluoro
                                                                                                                                                                                                                                                                                     NAME/KEY: misc feature
LOCATION: (1). (1). (1)
OTHER INFORMATION: 2'-deoxy-2'-fluoro
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THER INFORMATION: 2'-deoxy-2'-fluoro
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                             NUMBER OF SEQ ID NOS: 626
SOFTWARE: Patentin version 3.2
SEQ ID NO 560
LENGTH: 21
                                                                                                                                                                                                                                                                                                                                                                                                                      COCATION: (2). (3)

THER INFORMATION: 2'-deoxy
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OTHER INFORMATION: 2'-deoxy
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THER INFORMATION: 2'-deoxy
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LOCATION: (9)..(11)
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                                                                                                                                TYPE: RNA
ORGANISM: Artificial
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Sequence 560, Application PC/TUS0304088
Sequence 560, Application PC/TUS0304088
GENERAL INFORMATION:
APPLICANT: Ribozyme Pharmaceuticals, Inc.
APPLICANT: Beigelman, Leonid
TITLE OF INVENTION: Expression Using Short Interfering RNA (siNA)
TITLE OF INVENTION: Expression Using Short Interfering RNA (siNA)
FILE REPRENCE: 02-708-A (400/080)
CURRENT APPLICATION NUMBER: 2003-04-28
CURRENT FILING DATE: 2003-04-28
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 0
                             CON: (1)...(1)
INFORMATION: 5'-3 attached terminal deoxyabasic moeity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              NAME/KEY: misc_feature

; LOCATION: (21)...(21)

; OTHER INFORMATION: 3'-3 attached terminal deoxyabasic moeity

PCT-US03-04088-556
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Pred. No. 0.46;
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OTHER INFORMATION: n stands for thymidine
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PRIOR PELLING DATE: 2002-07-17
PRIOR PELLING DATE: 2002-07-17
PRIOR APPLICATION NUMBER: US 60/396,600
PRIOR PLLING DATE: 2002-02-20
PRIOR PLLING DATE: 2002-03-10
PRIOR PLLING DATE: 2002-03-11
PRIOR PILING DATE: 2002-06-06
PRIOR PILING DATE: 2002-06-06
PRIOR PLING DATE: 2002-06-06
PRIOR PLING DATE: 2002-08-29
PRIOR PLING DATE: 2002-08-29
PRIOR PLING DATE: 2002-09-29
PRIOR PLING DATE: 2002-09-05
PRIOR PLING DATE: 2002-09-05
PRIOR PLING DATE: 2002-09-05
PRIOR PLING DATE: 2002-09-09
PRIOR PLING DATE: 2002-09-09
PRIOR PLING DATE: 2002-09-09
                                                                                                                          LOCATION: (7). . (8)
OTHER INFORMATION: 2'-deoxy-2'-fluoro
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OTHER INFORMATION: 2'-deoxy-2'-fluoro
                                                                                                                                                                                                                                                                                                                                           LOCATION: (12)..(15)
OTHER INFORMATION: 2'-deoxy-2'-fluoro
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100.0%; Pre
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LOCATION: (19)...(19)
OTHER INFORMATION: 2'-deoxy
                                                                                                                                                                                                                                   LOCATION: (9). (11)
OTHER INFORMATION: 2'-deoxy
                                                                                                                                                                                                                                                                                                                                                                                                              NAME/KEY: misc feature
LOCATION: (16) ... (16)
OTHER INFORMATION: 2'-deoxy
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NAME/KEY: misc feature
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LOCATION: (17)...(18)
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OTHER INFORMATION: Description of Artificial Sequence: Target sequence/sinA sense; OTHER INFORMATION: region
PCT-US03-04088-588
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Sequence 588, Application PC/TUS0304088

Sequence 588, Application PC/TUS0304088

Sequence 588, Application PC/TUS0304088

Sequence 588, Application:

APPLICANT: Relegable.

APPLICANT: Belgable.

TILE OF INVENTION: Expression Using Short Interfering RNA (siNA)

FILE REFERENCE: 02-708-4 (400/080)

CURRENT APPLICATION NUMBER: PCT/US03/04088

CURRENT FILING DATE: 2003-04-28

PRIOR PILING DATE: 2002-07-17

PRIOR PLICATION NUMBER: US 60/396,600

PRIOR PLICATION NUMBER: US 60/358,580

PRIOR PLILING DATE: 2002-02-20

PRIOR PLILING DATE: 2002-03-11

PRIOR PLILING DATE: 2002-03-11

PRIOR PLILING DATE: 2002-06-06

PRIOR FILING DATE: 2002-06-06

PRIOR PLILING DATE: 2002-06-06

PRIOR PLILING DATE: 2002-09-05

PRIOR PLILING DATE: 2002-09-05

PRIOR PLILING DATE: 2002-09-05

PRIOR PLILING DATE: 2002-09-05

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sequence 530, Application PC/TUSO304088

sequence 530, Application PC/TUSO304088

sequence 530, Application PC/TUSO304088

sequence 530, Application Plantage in inc.

APPLICANT: Ribozyme Pharmaceuticals, Inc.

APPLICANT: Beigelman, Leonid

TITLE OF INVENTION: RNA Interference Mediated Inhibition of Telomerase TITLE OF INVENTION: Expression Using Short Interfering RNA (siNA)

FILE REFERENCE: 02-708-A (400/080)

CURRENT APPLICATION NUMBER: PCT/USO3/04088

CURRENT PILING DATE: 2003-04-28

PRIOR FILING DATE: 2002-07-17

PRIOR FILING DATE: 2002-07-17

PRIOR FILING DATE: 2002-07-20

PRIOR FILING DATE: 2002-02-20

PRIOR FILING DATE: 2002-02-20

PRIOR FILING DATE: 2002-02-20
            Gaps
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            Indels
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        3; Mismatches
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                                                                                   1 CTGACAGAGCCCAACTCT 18
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SOFTWARE: Patentin version 3.2
SEQ ID NO 588
LENGTH: 21
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Best Local Similarity 100..
        15; Conservative
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            Matches
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PCT-US03-04088-23
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GENERAL INFORMATION:
APPLICANT: Ribozyme Pharmaceuticals, Inc.
APPLICANT: Ribozyme Pharmaceuticals, Inc.
APPLICANT: Beigelman, Leonid
TITLE OF INVENTION: RAPE PROPERTY PROPERTY PRICE PROPERTY PRICE PROPERTY PRICE 102-708-A (400/080)
CURRENT APPLICANTON NUMBER: PCT/US03/04088
CURRENT APPLICATION NUMBER: US 60/396,600
FRIOR APPLICATION NUMBER: US 60/396,600
FRIOR APPLICATION NUMBER: US 60/396,600
FRIOR APPLICATION NUMBER: US 60/359,580
FRIOR APPLICATION NUMBER: US 60/363,124
FRIOR APPLICATION NUMBER: US 60/363,124
FRIOR APPLICATION NUMBER: US 60/363,782
FRIOR APPLICATION NUMBER: US 60/406,784
FRIOR PRILING DATE: 2002-09-05
FRIOR PRILING DATE: 2002-09-05
FRIOR FILING DATE: 2003-09-05
FRIOR FILING DATE: PALENTING D
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PCT-US03-04088-287
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                         PRIOR FILING DATE: 2002-03-11
PRIOR FILING DATE: 2002-03-11
PRIOR APPLICATION NUMBER: US 60/386,782
PRIOR FILING DATE: 2002-06-06
PRIOR FILING DATE: 2002-08-29
PRIOR FILING DATE: 2002-09-09
PRIOR PILING DATE: 2002-09-09
PRIOR PILING DATE: 2002-09-09
PRIOR PILING DATE: 2002-09-09
PRIOR FILING DATE: 2003-01-15
PRIOR PILING DATE: 2003-01-15
PRIOR PILING DATE: 2003-01-15
SEQ TO NO. 23
LENGTHALE: PATENTIN VUMBER: US 60/440,129
SEQ ID NO. 23
LENGTHAL: 19
APPLICATION NUMBER: US 60/363,124
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Best Local Similarity
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APPLICANT: MCSWiggen, James
APPLICANT: MCSWiggen, James
APPLICANT: MCSWiggen, James
TITLE OF INVENTION: RNA Interference Mediated Inhibition of Telomerase Gene
TITLE OF INVENTION: RNA Interference Mediated Inhibition of Telomerase
TITLE OF INVENTION: Expression Using Short Interfering RNA (sinA)
TITLE REFERENCE: 02-708-A (400/080)
GURRENT APPLICATION NUMBER: US 60/396,600
PRIOR PRILING DATE: 2002-07-17
PRIOR APPLICATION NUMBER: US 60/389,80
PRIOR FILING DATE: 2002-03-10
PRIOR FILING DATE: 2002-03-11
PRIOR FILING DATE: 2002-03-11
PRIOR FILING DATE: 2002-06-06
PRIOR APPLICATION NUMBER: US 60/406,784
PRIOR APPLICATION NUMBER: US 60/406,784
PRIOR APPLICATION NUMBER: US 60/406,784
PRIOR PRILING DATE: 2002-06-06
PRIOR PRILING DATE: 2002-06-06
PRIOR PRILING DATE: 2002-06-06
PRIOR PRILING DATE: 2002-09-06
PRIOR PRILING DATE: 2002-09-06
PRIOR APPLICATION NUMBER: US 60/409,293
PRIOR APPLICATION NUMBER: US 60/440,129
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          ; OTHER INFORMATION: Description of Artificial Sequence: Target sequence/siNA; OTHER INFORMATION: antisense region
PCT-US03-04088-593
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| Sequence 47221, Application US/60427808

| GENERAL INFORMATION:

| APPLICANT: Xue Mei Zhou

| TITLE OF INVENTION: Methods of Genetic Analysis of Mouse

| TITLE OF INVENTION: Methods of Genetic Analysis of Mouse

| FILE REPERENCE: 3288-

| CURRENT APPLICATION NUMBER: US/60/427,808

| CURRENT FILING DATE: 2002-11-20

| NUMBER OF SEQ ID NOS: 982914

| SOFTWARE: Microarray Probe Sequence Listing Generator V 1.1

| SEQ ID NO 47221
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Pred. No. 3.7e+02;
3; Mismatches 0
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                                                                                                                                                                                                                                                                      APPLICANT: Ribozyme Pharmaceuticals, Inc
                                                                                                                                                                               PCT-US03-04088-593
; Sequence 593, Application PC/TUS0304088
; GENERAL INFORMATION:
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SOFTWARE: PatentIn version 3.2
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Query Match
Best Local Similarity 78.6%;
Matches 11; Conservative
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17 CTTCGCGGTGGCAG 30
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ORGANISM: Mus musculus
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ORGANISM: Artificial
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Best Local Similarity
Matches 14; Conserv
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SOFTWARE: Pate
SEQ ID NO 593
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PCT-US03-04088-530
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APPLICANT: Beigelman, Leonid
TITLE OF INVENTION: RNA Interference Mediated Inhibition of Telomerase;
TITLE OF INVENTION: RNA Interference Mediated Inhibition of Telomerase;
TITLE OF INVENTION: RNA Interference Mediated Inhibition of Telomerase;
TITLE OF INVENTION: RNA Interference Mediated Inhibition of Telomerase;
TITLE OF INVENTION: RNA INTERFERENCE: 02-708-A (400/000)
FILE REFERENCE: 02-708-A (400/000)
CURRENT PILING DATE: 2002-04-28
PRIOR PILING DATE: 2002-07-17
PRIOR PILING DATE: 2002-03-11
PRIOR PILING DATE: 2002-03-11
PRIOR PILING DATE: 2002-06-06
PRIOR PILING DATE: 2002-06-06
PRIOR PILING DATE: 2002-06-06
PRIOR PILING DATE: 2002-06-05
PRIOR PILING DATE: 2002-06-05
PRIOR PILING DATE: 2002-06-05
PRIOR APPLICATION NUMBER: US 60/406,784
PRIOR PILING DATE: 2002-09-05
PRIOR APPLICATION NUMBER: US 60/409,293
PRIOR PILING DATE: 2002-09-05
PRIOR PILING DATE: 2003-09-05
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. 26;
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            PRIOR PILING DALL.

PRIOR APPLICATION NUMBER: US C.,

PRIOR FILING DATE: 2002-08-29

PRIOR FILING DATE: 2002-09-05

PRIOR FILING DATE: 2002-09-05

PRIOR FILING DATE: 2002-09-09

PRIOR PILING DATE: 2002-09-09

PRIOR PILING DATE: 2003-01-15

NUMBER OF SEQ ID NOS: 626

SOFTWARE: PatentIn version 3.2
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US 60/386,782
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Best Local Similarity 100.
Matches 16; Conservative
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SOFTWARE: Patentin ve
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ORGANISM: Artificial
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Best Local Similarity
Matches 14; Conserv
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ORGANISM: Artificial
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LENGTH: 19
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RESULT 15

US-60-427-808-699316

i Sequence 699316

i Sequence 69316, Application US/60427808

i GENERAL INFORMATION:

APPLICANT: Xue Mei Zhou

I TITE OF INVENTION: Methods of Genetic Analysis of Mouse

I TITE OF INVENTION: Methods of Genetic Analysis of Mouse

CURRENT APPLICATION NUMBER: US/60/427,808

CURRENT APPLICATION NUMBER: US/60/427,808

CURRENT APPLICATION NUMBER: US/60/427,808

CURRENT PILING DATE: 2022-11-20

NUMBER OF SEQ ID NOS: 982914

SOFTWARE: Microarray Probe Sequence Listing Generator V 1.1

SEQ ID NO 699316

LENGTH: 25

TYPE: DNA

ORGANISM: Mus musculus

US-60-427-808-699316

Query Match

AGACCCAACTCTTC 20

Mismatches 0; Indels 0; Gaps 0;

ON 7 GAGCCCAACTCTTC 16

DD 3 GAGCCCAACTCTTC 16
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Search completed: June 23, 2003, 19:12:11 Job time : 1317.89 secs

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BL759526 Arabidope
BL063841 B1063841
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BM400948 5009-0-29
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AZ311109 5009-0-66
AZ311105 AW638044 CX
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1M0134P22F Mouse 10kb plasmid UUGC1M library Mus musculus genomic clone UUGC1M0134P22 F, DNA sequence.
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Dunn, D., Aoyaqi, A., Barber, M., Beacorn, T., Duval, B., Hamil, C., Islam, H., Longacre, S., Mahmoud, M., Meenen, E., Pedereen, T., Reilly, M., Rose, M., Rose, R., Stokes, R., Tingey, A., von Niederhausern, A. Mouse whole genome scaffolding with paired end reads from 10kb
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Contact: Robert B. Weiss
University of Utah Genome Center
University of Utah
Rm. 308, Biomedical Polymers Research Bldg., 20 S. 2030 E., SLC,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Email: ddunn@genetics.utah.edu
Insert Length: 10000 Std Error: 0.00
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BB36289
AM106839
BM396493
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AZ616105
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AZ379320.1 GI:10493020
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Fax: 801 585 7177
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KEYWORDS
SOURCE
ORGANISM
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AUTHORS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      ACCESSION
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BM398341 5009-0-44
BM401213 5009-0-84
BM355007 50072-2-7
AZ781467 2M0019F23
AZ393281 IM0156H13
                                                                                                             June 23, 2003, 04:47:09; Search time 1546.73 Seconds (without alignments) 314.123 Million cell updates/sec
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                  5.1.6
Compugen Ltd.
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                                                                                                                                                                                                                                                                                            16154066 seqs, 8097743376 residues
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                  GenCore version
Copyright (c) 1993 - 2003
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                                                                               nucleic search, using sw model
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BM398341
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Gapop_60.0 , Gapext 60.0
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Word size :

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5

Result No.

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EST 17-JAN-2002
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5009-0-84-C02.t.1 Chilcoat/Turkewitz cDNA (large fraction)
Tetrahymena thermophila cDNA, mRNA sequence.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                1 (Moses 1 to 19)
1 Turkewitz, A.P., Karrer, K.M., Jahn, C., Orias, B., Kirk, K.B., Frankel, J. and Klobutcher, L.

8ST from Tetrahymena thermophila, strain CU428.1, growing cells Unpublished (2002)
Contact: Turkewitz AP
Molecular Genetics and Cell Biology
University of Chicago
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        /db xref="taxon:5911"
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/note="Vector: BlueScript2 SK+; Details on library
preparation can be found in Chilcoat and Turkewitz (2001)
Proc. Natl. Acad. Sci USA, 98: 8709-8713."
                  /clone lib="Chilcoat/Turkewitz cDNA (large fraction)" /note="Vector: BlueScript2 SK+; Details on library preparation can be found in Chilcoat and Turkewitz (2001) Proc. Natl. Acad. Sci USA, 98: 8709-8713."
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50072-2-7-A08.f.2 Chilcoat/Turkewitz cDNA (large fraction)
Tetrahymena thermophila cDNA, mRNA sequence.
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Tetrahymena thermophila
Bukaryota; Alveolata; Ciliophora; Oligohymenophorea;
Hymenostomatida; Tetrahymenina; Tetrahymena.
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/organism="Tetrahymena thermophila"
/strain="CU428.1"
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Pred. No. 1.3e+04;
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100.0%; Pred. No. ...
0; Mismatches
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/db_xref="taxon:5911"
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Tetrahymena thermophila.
Tetrahymena thermophila
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                                                                                                                                                                                                                                                                                                                        //note="Vector: PMD42D19" Annified genomic DNA from M. musculus C57BL/6J (male) was obtained from the Jackson Laboratory Mouse DNA Resource (http://www.jax.org/resources/documents/dnares/). The DNA was hydrodynamically sheared by repeated passage through a 0.005 inch orifice at constant velocity. The sheared DNA was blunt end-repaired with T4 DNA polymerase and T4 polymucleotide kinase. Adaptor oligomucleotides were ligated to the blunt ends in high molar excess. The adaptored DNA was purified and size-selected for a 9.5 to 10.5 kb range using preparative agarcse gel electrophoresis. Vector DNA was prepared from a derivative of pWD42 (4) 4732114 (4) BAR129072.1), a copy-number inducible derivative of plasmid R1. The vector was ligated with adaptors complementary to the insert adaptors and purified. The sheared, adaptored mouse DNA was annealed to adaptored vector DNA, and transformed into chemically-competent E. coli XL10-Gold (Stratagene) cells and selected for ampicillin resistance."
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Tetrahymena thermophila.
Tetrahymena thermophila
Eukaryota; Alveolata; Ciliophora; Oligohymenophorea;
Hymenostomatida; Tetrahymenina; Tetrahymena.
Tobases 1 to 12)
Turkewitz, A.P., Karrer, K.M., Jahn, C., Orias, E., Kirk, K.E., Frankel
J. and Klobutcher, L.

Est from Tetrahymena thermophila, strain CU428.1, growing cells
Unpublished (2002)
                                                                                                                                                                                                                                                                                 /ab_host="B. Coli strain XL10-Gold, T1-resistant, F-"
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5009-0-44-D05.t.2 Chilcoat/Turkewitz cDNA (large fraction)
Tetrahymena thermophila cDNA, mRNA sequence.
                                                                                                                                                                                 /etrain="C57BL/6J"
|db_xref="taxon:10090"
|clone="UPGC1M0134P22"
|clone_lib="Mouse 10kb plasmid UUGC1M library"
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/strain="CU428.1"
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920 E. 58th Street, Chicago, IL 60637, USA
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Molecular Genetics and Cell Biology
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     Plate: 0134 row: P column: 22
Seq primer: CGTTGTAAAACGACGCCAGT
Class: plasmid ends
High quality sequence stop: 46.
Location/Qualifiers
                                                                                                                                                          'organism="Mus musculus"
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Best Local Similarity 100.
Matches 12; Conservative
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(http://www.jax.org/resources/documents/dhares/). The DNA was hydrodynamically sheared by repeated passage through a 0.005 inch orifice at constant velocity. The sheared DNA was blunt end-repaired with 74 DNA polymerase and 74 polymucleotide kinase. Adaptor oligomucleotides were ligated to the blunt ends in high molar excess. The adaptored DNA was purified and size-selected for a 9.5 to 10.5 kb range using preparative agarose gel electrophoresis. Vector DNA was prepared from a derivative of pWD42 (gil 4732.114 [gb] AR129072.1), a copy-number inducible derivative of plasmid R1. The vector was ligated with adaptors complementary to the insert adaptors and purified. The sheared, adaptored mouse DNA was annealed to adaptored vector DNA, and transformed into chemically-competent E. coli XL10-Gold (Stratagene) cells and selected for ampicillin resistance."
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Dunn, D., Aoyagi, A., Barber, M., Beacorn, T., Duval, B., Hamil, C., Islam, H., Longacre, S., Mahmoud, M., Meenen, E., Pedersen, T., Reilly, M., Rose, M., Rose, R., Stokes, R., Tingey, A., von Niederhausern, A. and Wright, D., Weiss, R.
                                                                                            /lab_host="E. Coli strain XLIO-Gold, Tl-resistant, F-"
/note="Vector: PWD42nv; Purified genomic DNA from M.
musculus C57BL/6J (male) was obtained from the Jackson
Laboratory Mouse DNA Resource
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Contact: Robert B. Weiss
University of Utah Genome Center
University of Utah
Rm. 308, Biomedical Polymers Research Bldg., 20 S. 2030 E., SLC,
84112, USA
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                             /clone="UUGC2M0019F23"
/clone_lib="Mouse 10kb plasmid UUGC1M library"
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Insert Length: 10000 Std Error: 0.00
Plate: 0156 row: H column: 13
Seg primer: CGTTGTAAAACGACGGCCAGT
Class: plasmid ends
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/strain="C57BL/6J"
     'db xref="taxon:10090"
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Fax: 801 585 7177
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S Juban, D., Aoyagi, A., Barber, M., Beacorn, T., Duval, B., Hamil, C., Islam, H., Longacre, S., Mahmoud, M., Meenen, E., Pedersen, T., Reilly, M., Rose, M., Rose, R., Stokes, R., Tingey, A., von Niederhausern, A. and Wright, D., Weiss, R.
Dunublished (2000)
Contact: Robert B. Weiss
University of Utah Genome Center
University of Utah Genome Center
University of Utah Genome Center
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                                       1 (Dases 1 to 20)

Turkewitz,A.P., Karrer,K.M., Jahn,C., Orias,E., Kirk,K.E., Frankel
J. and Klobutcher,L.
EST from Tetrahymena thermophila, strain CU428.1, growing cells
Unpublished (2002)
Contact: Turkewitz AP
Molecular Genetics and Cell Biology
                                                                                                                                                                                                                                                                                                                                                                                                                                /organism="Tetrahymena thermophila"
/dstain="CU0481."
/db xref="taxon:991"
/clone_lib="Chilcoat/Turkewitz cDNA (large fraction)"
/note="Vector: BluesScriptz SK+; Details on library
preparation can be found in Chilcoat and Turkewitz (2001)
Proc. Natl. Acad. Sci USA, 98: 8709-8713."
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Hymenostomatida, Tetrahymenina, Tetrahymena.
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                                                                                                                                                                                                                         University of Chicago
920 B. Sath Street, Chicago, IL 60637, USA
TTE1: 773 702 4374
Fax: 773 702 3172
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Seq primer: T3.
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Fax: 801 585 7177
Email: ddunn@genetics.utah.edu
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Matches 11, Conservative
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(http://www.jax.org/resources/documents/dnares/). The DNA was hydrodynamically sheared by repeated passage through a 0.005 inch orifice at constant velocity. The sheared DNA was blunt end-repaired with T4 DNA polymerase and T4 polymucleotide kinase. Adaptor oligomucleotides were ligated to the blunt ends in high molar excess. The adaptored DNA was purified and size-selected for a 9.5 to 10.5 kb range using preparative agarose gelectrophoresis. Vector DNA was prepared from a derivative of pw042 (gil/4732114 [gb]AR129072.1), a copy-number inducible derivative of plasmid R1. The vector was ligated with adaptors complementary to the insert adaptors and purified. The sheared, adaptored mouse DNA was annealed to adaptored vector DNA, and transformed into chemically-competent B. coli XL10-Gold (Stratagene) cells and selected for ampicillin resistance."
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5009-0-54-All.t.1 Chilcoat/Turkewitz cDNA (large fraction)
Tetrahymena thermophila cDNA, mRNA sequence.
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/db xref="taxon:5911"
/db xref="taxon:5911"
/clone lib="Chilcoat/Turkewitz cDNA (large fraction)"
/note="Vector: BlueScript2 SK+; Details on library
preparation can be found in Chilcoat and Turkewitz (2001)
Proc. Natl. Acad. Sci USA, 98: 8709-8713."
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Tytkewitz,A.P., Karrer,K.M., Jahn,C., Orias,E., Kirk,K.E., Frankel
,J. and Klobutcher,L.
SST from Tetrahymena thermophila, strain CU428.1, growing cells
                                                                                                                            /note="Vector: PWD42nv; Purified genomic DNA from M.musculus C57BL/6J (male) was obtained from the Jackson Laboratory Mouse DNA Resource
                                                                                                       /lab_host="E. Coli strain XL10-Gold, T1-resistant, F-"
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                    /clone="UUGC1M0016E09"
/clone_lib="Mouse 10kb plasmid UUGC1M library"
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Hymenostomatida, Tetrahymenina, Tetrahymena.
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    .26
    /organism="Tetrahymena thermophila"

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Molecular Genetics and Cell Biology
University of Chicago
920 E. 58th Street, Chicago, IL 60637, USA
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Seq primer: T3.
Location/Qualifiers
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Tetrahymena thermophila
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BM399150.1 GI:18199203
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Best Local Similarity 100.
Matches 11; Conservative
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Fax: 773 702 3172
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                                                                                                                                                                                                              (http://www.jax.org/resources/documents/dhares/). The DNA was hydrodynamically sheared by repeated passage through a 0.005 inch orifice at constant velocity. The sheared DNA was blunt end-repaired with T4 DNA polymerase and T4 polymucleotide kinase. Adaptor oligonucleotides were ligated to the blunt ends in high molar excess. The adaptored DNA was purified and size-selected for a 9.5 to 10.5 kb range using preparative agarose gol electrophoresis. Vector DNA was prepared from a derivative of pWD42 (gi|4732114|gb|AR129072.1), a copy-number inducible derivative of plasmid R1. The vector was ligated with adaptors complementary to the insert adaptors and purified. The sheared, adaptored mouse DNA was annealed to adaptored vector DNA, and transformed into chemically-competent E. coli XL10-Gold (Stratagene) cells and selected for ampicillin resistance."
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E. (Dases 1 to 24)

B. (Dases 1 to 24)

S. Dum, D., Aoyagi, A., Barber, M., Beacorn, T., Duval, B., Hamil, C., Islam, H., Longacre, S., Mahmoud, M., Meenen, E., Pedersen, T., Reilly, M., Rose, M., Rose, R., Stokes, R., Tingey, A., von Niederhausern, A. and Wright, D., Weiss, R.

L. Unpublished (2000)

Contact: Robert B. Weiss
University of Utah Genome Center
University of Utah Genome Center
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                                                                                                          /lab_host="E. Coli strain XL10-Gold, T1-resistant, F-"
/note="Vector: PWD42rv; Purified genomic DNA from M.
musculus C57BL/G (male) was obtained from the Jackson
Laboratory Mouse DNA Resource
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/db xref="taxon:10090"
/clone="UUGC1M0156H13"
/clone_lib="Wouse 10kb plasmid UUGC1M library"
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Eax: 801 585 7177
Email: ddunn@genetics.utah.edu
Insert Length: 10000 Std Error: 0.00
Plate: 0016 row: E column: 09
Seg primer: CGTTGTAAAACGACGGCAGT
Class: plasmid ends
High quality sequence stop: 24.
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AZ309564.1 GI:10350859
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Submitted (17-JUN-2002) Weisshaar B., Max-Planck-Institut fuer Zuechtungsforschung, Carl-von-Linne-Weg 10, Koeln, 50829, Germany This sequence is recovered from the left border of the T-DNA. It indicates an insertion close to owithin gene At1907990. The sequences are generated at the MPI for Plant Breeding Research in the context of the GABI-Kat project. GABI-Kat is part of the German Plant Genomics program designated 'GABI-Kat is part of the German availability can be found at:

Location/Qualifiers
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           /clone="GK-188A07-014624"
/clone lib="Arabidopsis thaliana T-DNA insertion lines"
/note="FCK was performed on DNA from Arabidopsis thaliana plants (TJ) which were transformed with the T-DNA from vector pAcisi. The lines contain one or more T-DNA insertions. The DNA fragment(s) resulting from the PCR were directly sequenced to determine the genomic sequence flanking the insertion. Sequences displaying significant similarity to the A. thalaina nuclear genome sequence processed for submission. T-DNA derived sequences were
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    BJ063841 NIBB Mochii normalized Xenopus tailbud library Xenopus
                                                Rosso,M., Strizhov,N., Li,Y., Reiss,B., Dekker,K. and Weisshaar,B. A new Arabidopsis thaliana T-DNA mutagenised population (GABI-Kat) for flanking sequence tag based reverse genetics Unpublished
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Amphibia; Batrachia; Anura; Mesobatrachia; Pipoidea; Pipidae;
Xenopodinae; Xenopus.
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BJ063841
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Rosso, M., Li, Y., Strizhov, N. and Weisshaar, B.
Direct Submission
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Fax: 81-559-81-6855
Email: tshini@genes.nig.ac.jp.
Location/Qualifiers
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            /organism="Arabidopsis thaliana"
/strain="Columbia 0"
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Contex: Tadams Shin-i
Centex For Genetic Resource Information
National Institute of Genetics
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/db_xref="taxon:3702"
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Xenopus laevis
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    transformed lines
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                                                                                                                                                                                                                                                          BM398611 33 bp mRNA linear EST 17-JAN-2002 5009-0-47-G06.t.1 Chilcoat/Turkewitz cDNA (large fraction) Tetrahymena thermophila cDNA, mRNA sequence.
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/strain="CU4281."
/db xref="taxon:5911"
/clone_lib="Chilcoat/Turkewitz cDNA (large fraction)"
/clone_lib="Chilcoat/Turkewitz cDNA (large fraction)"
/note="Vector: BlueScript2 SK+; Details on library
preparation can be found in Chilcoat and Turkewitz (2001)
Proc. Natl. Acad. Sci USA, 98: 8709-8713."
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Eukaryota, Viridiplantae, Streptophyta, Embryophyta, Tracheophyta,
Spermatophyta, Magnoliophyta, eudicotyledons, core eudicots,
Rosidae, eurosids II, Brassicales, Brassicaceae, Arabidopsis.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Orias, E., Kirk, K.E., Frankel
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A pipeline for automated high-throughput generation of FSTs (flanking sequence tags) from Arabidopsis thaliana T-DNA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     1 (bases 1 to 33)
Turkewitz,A.P., Karrer,K.M., Jahn,C., Orias,E., Kirk,K.E., Frank,J. and Klobutcher,L.
sST from Tetrahymena thermophila, strain CU428.1, growing cells
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Arabidopsis thaliana T-DNA flanking sequence GK-188A07-014624,
genomic survey sequence.
AL789526
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Tetrahymena thermophila
Bukaryota, Alveolata; Ciliophora; Oligohymenophorea;
Hymenostomatida; Tetrahymenina; Tetrahymena.
    Length 26;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               920 E. 58th Street, Chicago, IL 60637, USA
Tel: 773 702 4374
36.7%; Score 11; DB 13; L
100.0%; Pred. No. 1.8e+04;
ive 0; Mismatches 0;
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Best Local Similarity 100.0%; Pred. No. 1.9e+04;
Matches 11; Conservative 0; Mismatches 0;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Unpublished (2002)
Contact: Turkewitz AP
Molecular Genetics and Cell Biology
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Location/Qualifiers
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Query Match
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Matches 11; Conserv
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BM397151
5009-0-29-F01.t.1 Chilcoat/Turkewitz cDNA (large fraction)
Tetrahymena thermophila cDNA, mRNA sequence.
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Dekaryota; Alvoolata; Clijophora; Oligohymenophorea;
Hymenostomatida; Tetrahymenina: Tetrahymena.

Chases 1 to 45)
Turkewitz, A.P., Karrer, K.M., Jahn, C., Orias, E., Kirk, K.E., Frankel X.J. and Klobutcher, L.

EST from Tetrahymena thermophila, strain CU428.1, growing cells
Unpublished (2002)
                                                                                                                                                                                                      EST 17-JAN-2002
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/clone_lib="Chilcoat/Turkewitz cDNA (large fraction)"
/note="Vector: BlueScript2 SK+; Details on library
preparation.can be found in Chilcoat and Turkewitz (2001)
Proc. Natl. Acad. Sci USA, 98: 8709-8713."
                                                                                                                                                                                                                                                                                                                                                                                                                                Kirk, K.E., Frankel
                                                                                                                                                                                                                                                                                                                                                                                                             1 (bases 1 to 44)
Turkewitz, A.P., Karrer, K.M., Jahn, C., Orias, E., Kirk, K.E., Frank, J. and Klobutcher, L.
EST from Tetrahymena thermophila, strain CU428.1, growing cells Unpublished (2002)
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Tetrahymena thermophila cDNA, mRNA sequence.
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Tetrahymena thermophila
Eukaryota; Alveolata; Ciliophora; Oligohymenophorea;
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                       0; Indels

    .44
    /organism="Tetrahymena thermophila"

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Molecular Genetics and Cell Biology
University of Chicago
920 E. 58th Street, Chicago, IL 60637, USA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     36.7%; Score 11; DB 13; I 100.0%; Pred. No. 2.2e+04; ive 0; Mismatches 0;
  Pred. No. 2.1e+04;
                       Mismatches
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Fax: 773 702 3172
Email: apturkew@midway.uchicago.edu
Seq primer: T3
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Molecular Genetics and Cell Biology
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    100.08;
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Best Local Similarity
Matches 11; Conserv
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BM397151
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BM400948
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lines
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A Sequence-Indexed Library of Insertion Mutations in the
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Arabidopsis thaliana
Eukaryota, Viridiplantae, Streptophyta; Embryophyta; Tracheophyta;
Spermatophyta; Magnoliophyta; eudicotyledons; core eudicots;
Rosidae; eurosids II; Brassicales; Brassicaceae; Arabidopsis.
                                                                                                                          /clone=1SALK 073707.54.25.x"
/clone lib="Arabidopsis thaliana TDNA insertion lines"
/note="PCR was performed on Arabidopsis thaliana lines each of which contains one or more TDNA insertion elements. The resultant fragment for each line was directly sequenced to determine the genomic sequence at the site of insertion. Details of the protocols used can be found at http://signal.salk.edu/tdna_protocols.html"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      This is single pass sequence recovered from the left border of IDNA. This sequence lies within an annotated exon of At5946110.
                                                                                                                                                                                                                                                                                                                                                                             Gaps

    .37
    /organism="Xenopus laevis"
    /db xref="taxon:8355"
    /cone="XL077114"
    /clone lib="NIBB Mochii normalized Xenopus tailbud library"

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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Contact: Joseph R. Ecker
Salk Institute Genomic Analysis Laboratory (SIGNAL)
The Salk Institute for Biological Studies
10010 N. Torrey Pines Road, La Jolla, CA 92037, USA
Thi: 858 453 4100 x1752
Fax: 858 558 6379
                                                                                                                                                                                                                                                                                                                                 36.7%; Score 11; DB 13; Length 37; 100.0%; Pred. No. 2e+04; ive 0; Mismatches 0; Indels
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/strain="Columbia 0"
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Location/Qualifiers
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BH851915.1 GI:21422786
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11; Conservative 0
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Unpublished (2001)
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Matches 11; Conserv
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BH851915/c
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/organism="Tetrahymena thermophila"
/strain="CU438.1"
/db_xref="taxon:5911"
/db_xref="taxon:5911"
/dclone lib="Chilcoat/Turkewitz cDNA (large fraction)"
/note="Vector: BlueScript2 8K+; Details on library preparation can be found in Chilcoat and Turkewitz (2001)
Proc. Natl. Acad. Sci USA, 98: 8709-8713."
a 11 15 g 9 t
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/ Organism="Homo sapiens"

/ db xref=taxon:9606"

/ clone=TWAGE:1448989"

/ clone=TWAGE:1448989"

/ clone=Tib="NHH MGC_10"

/ clone=Tib="NHH MGC_10"

/ lab_host="DH10B"

/ note="Organ: cervix; Vector: pCMV-SPORT6; Site_1: Not1;

Site_2: Sal1; Cloned unidirectionally. Primer: Oligo dT.

Average insert size 1.5 kb. Library prepared by Life
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Homo sapiens
Bukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.
1 (bases 1 to 47)
1 Math. Machtp://mgc.nci.nih.gov/.
National Institutes of Health, Mammalian Gene Collection (MGC)
Unpublished (1999)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   cDNA Library Preparation: Life Technologies, Inc.
CDNA Library Arrayed by: Incyte Genomics, Inc.
DNA Sequencing by: Incyte Genomics, Inc.
Clone distribution: MGC clone distribution information can be found through the I.M.A.G.E. Consortium/LLNL at:
http://image.llnl.gov
Plate: LLAM8425 row: a column: 22
High quality sequence stop: 47.
Location/Qualifiers
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Gарв
                                                                                                                                                                                                                                                                                                                                                                                                                                                          Gaps
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University of Chicago 920 E. 58th Street, Chicago, IL 60637, USA Tel: 773 702 4374 Eax: 773 702 3172 Email: apturkew@midway.uchicago.edu Seq primer: 73
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Contact: Robert Strausberg, Ph.D.
Email: cgapbs-r@mail.nih.gov
Tissue Procurement: ATCC
                                                                                                                                      Location/Qualifiers
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    mRNA sequence. _ _ BE536289
BE536289.1 GI:9764934
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Best Local Similarity 100.
Matches 11; Conservative
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VERSION
KEYWORDS
SOURCE
ORGANISM
                                                                                                                                                                                                                                                                                                                                      BASE COUNT
ORIGIN
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BE536289/c
LOCUS
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             REFERENCE
AUTHORS
TITLE
JOURNAL
COMMENT
                                                                                                                                      PEATURES
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3 GACAGAGCCCA 13
                34 GACAGAGCCCA 24
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Search completed: June 23, 2003, 10:10:19 Job time: 1548.89 secs

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us-08-770-564a-5.rni

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GenCore version 5.1.6
Copyright (c) 1993 - 2003 Compugen Ltd.
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OM nucleic - nucleic search, using sw model

June 24, 2003, 22:17:30 ; Search time 45.5378 Seconds (without alignments) 202.036 Million cell updates/sec Run on:

US-08-770-564A-5 30 Title: Perfect score: Sequence:

1 CTGACAGAGCCCAACTCTTCGCGGTGGCAG 30

IDENTITY NUC Gapop 10.0 , Gapext 1.0 Scoring table:

441362 segs, 153338381 residues Searched:

609818 Total number of hits satisfying chosen parameters:

Minimum DB seq length: 0 Maximum DB seq length: 50

Post-processing: Minimum Match 0% Maximum Match 100% Listing first 45 summaries

/cgn2_6/ptodata/2/ina/5A_COMB.seq:* /cgn2_6/ptodata/2/ina/5B_COMB.seq:* /cgn2_6/ptodata/2/ina/6A_COMB.seq:* /cgn2_6/ptodata/2/ina/6B_COMB.seq:* /cgn2_6/ptodata/2/ina/PCTUS_COMB.seq:* /cgn2_6/ptodata/2/ina/PCTUS_COMB.seq:* Issued_Patents_NA:* Database :

Pred. No: is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

ES 565-5 565-7 565-7 565-7 565-7 566-15 664-94 443-29 343-23 343-16 349-16 349-16 349-16 349-22 347-22 377-29 307-222 307-229 30	
ID US-08-770-565-5 US-08-770-565-6 US-08-770-565-7 US-08-770-565-7 US-08-770-565-7 US-08-770-565-7 US-08-770-565-7 US-08-770-565-7 US-08-770-565-7 US-08-770-565-7 US-08-770-565-7 US-08-285-440-16 US-08-285-440-16 US-08-285-440-16 US-08-285-440-16 US-08-285-440-16 US-08-974-180-33 US-08-978-978-50 US-08-978-978-50 US-08-978-978-978-978-978-978-978-978-978-97	US-08-602-264A-11 US-08-461-018A-11
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Sequence 1 Sequence 8 Sequence 4 Sequence 4 Sequence 6 Sequence 1 Sequence 1 Sequence 1 Sequence 1 Sequence 2 Sequence 3 Sequence 3 Sequence 2 Sequence 2 Sequence 2 Sequence 2 Sequence 2 Sequence 2
US-09-216-958-11 US-08-746-883-8 US-08-484-557C-46 US-08-487-7204-46 US-08-487-720A-46 US-08-833-167-69 US-09-344-837A-69 US-09-518-109-1 US-08-619-109-1 US-08-619-109-1 US-08-619-109-1 US-08-196-538-8 US-08-196-538-8 US-08-217-327-15 US-08-477-254A-23 US-08-477-254A-23 US-08-477-254A-23 US-08-477-5568-23 US-08-478-5788-23 US-08-713-556F-23
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## ALIGNMENTS

Gaps ö Indels . 0 best bocal Similarity 100.0%; Fred. NO. 0.36-Matches 30; Conservative 0; Mismatches

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1 CTGACAGAGCCCAACTCTTCGCGGTGGCAG 30

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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Length 20;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Indels
                                                                                                                                                       MEDLUM ALC.

COMPUTER: IBM PC_compatible
OPERATING SYSTEM: PC_DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/770,565
FILING DATE: 20-DEC-1996
CLASSIFICATION: 435
CLASSIFICATION: 435
ATTORNEY AGENT INFORMATION:
NAME: Storella, John R.
REGISTRATION NUMBER: 32,944
REFERENCE/DOCKET NUMBER: 015389-002300US
TELEPHONE: 415-576-0200
TELEPHONE: 415-576-0300
INFORMATION FOR SEQ ID NO: 7:
SEQUENCE CHARACTERISTICS:
SEQUENCE CHARACTERISTICS:
SEQUENCE CHARACTERISTICS:
SEQUENCE CLARACTERISTICS:
TYPE: nucleic acid
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         APPLICANT: MALISZEWSKI, CHARLES R.
TITLE OF INVENTION: DNA ENCOGING IGA FC RECEPTORS
NUMBER OF SEQUENCES: 9
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/07/548,059
FILING DATE: 05-JUL-1990
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Score 15.8; DB 6;
Pred. No. 1.6e+02;
0; Mismatches 2;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            DB 2;
       Two Embarcadero Center, 8th Floor
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Sequence 15, Application US/07797556; Patent No. 5262522; GENERAL INFORMATION:
APPLICANT Gearing, David P.
TITLE OF INVENTION: Inhibitory Factor NUMBER OF SEQUENCES: 17
CORRESPONDENCE ADDRESS:
ADDRESSEE: Immunex Corporation STREET: 51 University Street
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   1 ccaacrcrrcccccrccacac
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Best Local Similarity 100.0%; Pi
Matches 20; Conservative 0;
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                                                                                       COUNTAIN COMPUTER 111-3834
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: ISM PC COMPATIBLE
COMPUTER: ISM PC COMPATIBLE
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89.5%;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   ; TOPOLOGY: linear; MOLECULE TYPE: DNA US-08-770-565-7
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Patent No. 5198342
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               US-07-797-556-15/c
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                                                                                                                                                                                                                                                                       APPLICANT: Realey, James T.
APPLICANT: Realey, James T.
APPLICANT: Prusan, Ronald
APPLICANT: Prusan, Ronald
APPLICANT: Prusan, Ronald
APPLICANT: Weinrich, Scott L.
TITLE OF INVENTION: Telomerase
NUMBER OF SEQUENCES: 26
CORRESPONDENCE ADDRESS:
ADDRESSEE: TOWNSEND and TOWNSEND and CREW LLP
STREET: Two Embarcadero Center, 8th Floor
CITY: San Francisco
STRTE: California
COWTYTE: USA
ZIP: 94111-3834
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC Compatible
COMPUTER: IBM PC Compatible
COMPUTER: IBM PC Compatible
COMPUTER: IBM PC Compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
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GENERAL INFORMATION:

APPLICANT: Wu, Fred

APPLICANT: Wa, Fred

APPLICANT: Wain ich, Scaley, James T.

APPLICANT: Weinrich, Scott L.

TITLE OF INVENTION: Methods for Detecting the RNA Component of INTLE OF INVENTION: Telomerase

NUMBER OF SUGUNCES: 26

CORRESPONDENCES: 26

ADDRESSEE: TOWNSEND and TOWNSEND and CREW LLP
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      ö
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Pred. No. 1.8;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   COMPUTER: IBM PC compatible
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.30
SURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/770,565
FILING DATE: 20-DEC-1996
CLASSIFICATION: 435
ATTORNEY/AGENT INFORMATION:
NAME: Storella, John R.
REFERENCE/DOCKET NUMBER: 015389-002300US
TELECOMMUNICATION INFORMATION:
TELECOMMUNICATION INFORMATION:
TELEPHONE: 415-576-0200
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Query Match 66.7%; Score 20; DB Best Local Similarity 100.0%; Pred. No. 1.8 Matches 20; Conservative 0; Mismatches
              1 CTGACAGAGCCCAACTCTTCGCGGTGGCAG 30
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Sequence 7, Application US/08770565
Patent No. 5846723
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        1 CTGACAGAGCCCAACTCTTC 20
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Patent No. 5846723
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              TELEFAX: 415-5/0.
TELEFAX: 415-5/0.
INPORMATION FOR SEQ ID NO: (
SEQUENCE CHARACTERISTICS:
TENGTH: 20 Dase pairs
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STRANDEDNESS: sing
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MOLECULE TYPE: DNA
US-08-770-565-6
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                                                                                                                                            Length 40;
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Patent No. 5928905
GENERAL INFORMATION:
APPLICANT: STEWMER PH.D., WILLEM P.C.
APPLICANT: LIPSHUTZ, ROBERT J.
TITLE OF INVENTION: END-COMPLEMENTARY POLYMERASE REACTION NUMBER OF SEQUENCES: 136
CORRESPONDENCE ADDRESS:
ADDRESSEE: TOWNSEND AND TOWNSEND AND CREW
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Length 40;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             SITE: CALLEGARIA

COUNTRY: U.S.A.

ZIP: 94111-3834

COMPUTER READABLE FORM:
MEDTUM TYPE: Floppy disk
COMPUTER: IBM PC COMPATIBLE
OPPRATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PATENTIN Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/675,502
FILING DATE: 03-JUL-1996
CLASSIFICATION: 435
PRIOR APPLICATION: 435
CLASSIFICATION: 435
PRIOR APPLICATION: 435
CLASSIFICATION: 435
CLASSIFIC
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Pred. No. 5.5e+02;
0; Mismatches 9;
                                                                                                                                        Query Match
48.7%; Score 14.6; DB 2;
Best Local Similarity 69.0%; Pred. No. 5.5e+02;
Matches 20; Conservative 0; Mismatches 9;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   TWO EMBARCADERO CENTER, 8TH FLOOR
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   REFERENCE/DOCKET NUMBER: 16528J-015410US
TELECOMMUNICATION INPORMATION:
TELEPHONE: (415) 326-2400
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      TCGCGGTGGCAG 30
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US-08-859-998-77/c
; Sequence 77, Application US/08859998
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NAME: MURPHY, ESQ., MATTHEW B.
REGISTRATION NUMBER: 39,787
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      TELEPHONE: (415) 326-2400
TELEFAX: (415) 326-2422
INFORMATION FOR SEQ ID NO: 94
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Query Match
Best Local Similarity 69.0%;
Matches 20; Conservative
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LENGTH: 40 base pairs
TYPE: nucleic acid
STRANDEDNESS: double
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       CITY: SAN FRANCISCO
STATE: CALIFORNIA
                                       circular
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US-08-675-502-94
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STRANDEDNESS:
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                                    ;
US-08-425-684-94
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Patent No. 5834252

GENERAL INFORMATION:

APPLICANT: STEMER PH.D., WILLEM P.C.

TITLE OF INVENTION: END-COMPLEMENTARY POLYMERASE REACTION
NUMBER OF SEQUENCES: 136

CORRESPONDENCE ADDRESS:

ADDRESSEE: TOWNSEND AND TOWNSEND AND CREW

STREET: ONE MARKET PLAZA, STEUART STREET TOWER, 20TH FLOOR

STATE: CALIFORNIA

COUNTRY: CALIFORNIA
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ZIP: 94105
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: I BM PC Compatible
OPERATIONS SYSTEM: PC-COMPATIBLE
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/425,684
FILING DATE: 18-APR-1995
CLASSIFICATION NUMBER: 34,587
REGISTRATION NUMBER: 34,587
REGISTRATION NUMBER: 34,587
REGISTRATION NUMBER: 16528J-015400US
TELEPROCHOWICATION NUMBER: 16528J-015400US
TELEPROCHOMICATION NUMBER: 16528J-015400US
TELEPRATION POR SEQ ID NO: 94: SEQUENCE CHARACTERISTICS:
                                                                                                                          COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
COMPUTER: TEM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/07/797,556
FILING DATE: 19911122
CLASSIFICATION: 435
ATTORNEY/AGENT INPORMATION:
NAME: Seese, Kathryn A.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Score 15.2; DB; Pred. No. 3e+020; Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          31 rgacaaaggaaaarrcrragcggccgca 4
                                                                                                                                                                                                                                                                                                                                                                                                                                                                         REGISTRATION NUMBER: 32,172
REGISTRATION NUMBER: 32,172
RELECOMMUNICATION INFORMATION:
TELEPAN: 206-587-0430
INFORMATION POR SEQ ID NO: 5EQUENCE CHARACTERISTICS:
LENGTH: 43 base pairs
TYPE: NUCLEIC ACID
STRANDEDNESS: single
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Query Match
Best Local Similarity 71.4%;
Matches 20; Conservative
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       TOPOLOGY: linear MOLECULE TYPE: CDNA
Seattle
                                                                    USA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      JS-08-425-684-94/C
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Length 26;
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COMPUTER: IBM Compatible
OPERATING SYSTEM: Windows95
SOFTWARE: FastSEQ for Windows Version 2.0
                                                                                                                                                                                                             PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/859,998
FILING DATE: 21-MAY-1997
ATTORNEY/AGENT INFORMATION:
NAME: Field, Bret E.
REGISTRATION NUMBER: 37,620
REFERENCE/DOCKET NUMBER: 09096/002001
TELECOMMUNICATION INFORMATION:
TELEPHONE: 415-322-5070
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Score 14.4; DB 4;
Pred. No. 6.3e+02;
0; Mismatches 6;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      APPLICANT: Shibuya, Masabumi
APPLICANT: Okamoto, Masaji
APPLICANT: Okamoto, Masaji
APPLICANT: Niwa, Mikio
APPLICANT: Mateumoto, Tomoe
APPLICANT: Asano, Makoto
APPLICANT: Segawa, Toshiaki
TITLE OF INVENTION: VEGF-BINDING POLYPEPTIDES
CORRESPONDENCE ADDRESS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            COMPUTER: IBM Compatible
OPERATING SYSTEM: Windows95
SOFTWARE: FRSISED for Windows Version 2.0
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/051,363
FILING DATE: 07-APR-1998
                                                                                      CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/225,928
FILING DATE: 05-Jan-1999
CLASSIFICATION: «Unknown»
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                APPLICATION NUMBER: PCT/JP96/02906
FILING DATE: 07-0CT-1996
APPLICATION NUMBER: 8/211892 JP
FILING DATE: 23-JUL-1996
APPLICATION NUMBER: 7/296476 JP
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Fish & Richardson P.C.
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Patent No. 6270993
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 225 Franklin Street
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  TELEFAX: 415-854-0875
INFORMATION FOR SEQ ID NO: 77:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               LENGTH: 26 base pairs
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            TYPE: nucleic acid
STRANDEDNESS: single
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    48.0%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            SEQUENCE CHARACTERISTICS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Query Match
Best Local Similarity 75.0
Matches 18; Conservative
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ZIP: 02110-2804
COMPUTER READABLE FORM:
MEDIUM TYPE: Diskett
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   TOPOLOGY: lin
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STREET: ALL
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                      APPLICANT: Chenchik, Alex
APPLICANT: Jokhadze, George
APPLICANT: Bibliashvilli, Robert
TITLE OF INVENTION: METHOD OF ASSAVING DIFFERENTIAL
TITLE OF INVENTION: EXPRESSION
NUMBER OF SEQUENCES: 1375
CORRESPENDENCE ADDRESS:
ADDRESSE: Fish & Richardson, P.C.
STREET: 2200 Sand Hill Road, Suite 100
CITY: Menlo Park
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         ASSAYING DIFFERENTIAL
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6.3e+02;
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ADDRESSEE: Fish & Richardson, P.C.
STREET: 2200 Sand Hill Road, Suite 100
                                                                                                                                                                                                                                                                                                                                                                                                 COMPUTER READABLE FORM:
MEDIUM TYPE: Diskers:
COMPUTER: Disker:
COMPUTER: D
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      ATTORNEY/AGENT INFORMATION:
ATTORNEY/AGENT INFORMATION:
NAME: Field, Bret E.
REGISTRATION NUMBER: 37,620
TELECOMMUNICATION INFORMATION:
TELECHONE: 415-322-6070
TELEFRAX: 415-84-0875
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   7 GAGCCCAACTCTTCGCGGTGGCAG 30
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Sequence 77, Application US/09225928
Patent No. 6352829
GENERAL INFORMATION:
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Jokhadze, George
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   NUMBER OF SEQUENCES: 1375
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Query Match
Best Local Similarity 75.0%;
Matches 18; Conservative
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COUNTRY: US
ZIP: 94025
COMPUTER READABLE FORM:
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           26 base pairs
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              INFORMATION FOR SEQ ID NO: SEQUENCE CHARACTERISTICS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  OTHER INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         MOLECULE TYPE: DNA
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                                                                                                                                                                                                                                                                                                                                              STATE: C. COUNTRY:
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Sequence 16, Application US/08630349
Fatent No. 5739008
GENERAL INFORMATION:
APPLICANT: Ken'ichiro HAYASHI et al.
TITLE OF INVENTION: POLYBEPTIDE
NUMBER OF SEQUENCES: 32
CORRESPONDENCE ADDRESS:
ADDRESSEE: Wenderoth, Lind & Ponack
STREET: Washington
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      CITY: Washington
STATE: D.C.
COUNTRY: U.S.A.
ZIP: 20005
COMPUTER READABLE FORM:
MEDIUM TYPE: Diskette, 3.5 inch, 144 mb
COMPUTER: IBM COMPACIBLE
OPERATING SYSTEM: MS-DOS
SOFTWARE: Wordspeciect 5.1
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/630,349
FILING DATE: APTI1 10, 1996
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     0; Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        4 ACAGAGCCCAACTCTTCGCGGTGGCAG 30
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/285,440
FILING DATE: Adgust 4, 1994
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 07/858,947
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        DOCUMENT NUMBER:
FILING DATE:
RELEVANT RESIDUES IN SEQ ID NO:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Query Match
Best Local Similarity 70.4
Matches 19; Conservative
                                                                                                                                                                                                                                                                                                                                           NAME/KEY:
LOCATION:
IDENTIFICATION METHOD:
                                                                                                                                                                                                                                                                                                                                                                                                 OTHER INFORMATION:
PUBLICATION INFORMATION:
AUTHORS:
                            STRAIN:
INDIVIDUAL ISOLATE:
DEVELOPMENTAL STAGE:
                                                                                                                                                                                                                        CLONE:
POSITION IN GENOME:
CHROMOSOME/SEGMENT:
MAP POSITION:
                                                                                  HAPLOTYPE:
TISSUE TYPE:
CELL TYPE:
CELL LINE:
CRIA LINE:
IMMEDIATE SOURCE:
LIBRARY:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   CLASSIFICATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      US-08-285-440-16
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           US-08-630-349-16
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         JOURNAL:
                                                                                                                                                                                                                                                                                                        UNITS:
FEATURE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              VOLUME:
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                                                                                                                                                                                                                                                                                                                                                                48.0%; Score 14.4; DB 4; Length 42; 93.8%; Pred. No. 6.9e+02; tive 0; Mismatches 1; Indels
                                                                                                                                                                                                                                                                                                                                                                                                       1; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             STATE: D.C.
COUNTRY: U.S.A.
COUNTRY: U.S.A.
COMPUTER READABLE FORM:
MEDIUM TYPE: Diskette, 5.25 inch, 500 kb
COMPUTER: IBM Compatible
OPERATING SYSTEM: MS-DOS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          ADDRESSEE: Wenderoth, Lind & Ponack
STREET: 805 Fifteenth Street, N.W., #700
CITY: Washington
FILING DATE: 07-OCT-1995
ATTORNEY/AGENT INFORMATION:
NAME: Fraser, Ph.D., J.D., Janis K.
REGISTRATION NUMBER: 34,819
FREERENCE/DOCKET NUMBER: 06501/012001
TELECOMMUNICATION INFORMATION:
TELECOMMUNICATION INFORMATION:
TELEFAX: 200154
INFORMATION FOR SEQ ID NO: 23:
SEQUENCE CHARACTERISTICS:
LENGTH: 42 base pairs
TYPE: nucleic acid
TYPE: nucleic acid
STRANDEDNESS: single
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Sequence 16, Application US/08285440
Patent No. 5532337
GENERAL INFORMATION:
GENERAL INFORMATION:
TITLE OF INVENTION: POLYPEPTIDE
NUMBER OF SEQUENCES:
CORRESPONDENCE ADDRESS:
ADDRESSEE: Wenderoth, Lind & Ponack
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         SOFTWARE: DisplayWrite
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/285,440
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PRIOR APPLICATION DATA:
APPLICATION NUMBER: 07/858,947
FILING DATE: March 27, 1992
ATTORNEY AGENT INFORMATION:
NAME: Warren M. Cheek, Jr.
REGISTRATION NUMBER: 33,367
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      MOLECULE TYPE: other nucleic acid
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TELECOMMUNICATION:
TELEPHONE: 202-371-8850
                                                                                                                                                                                                                                                                               TOPOLOGY: linear MOLECULE TYPE: synthetic DNA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     24 ACAGAGCCCAAATCTT 9
                                                                                                                                                                                                                                                                                                                                                            Query Match
Best Local Similarity 93.8*
Matches 15; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              INFORMATION FOR SEQ ID NO: SEQUENCE CHARACTERISTICS: LENGTH: 30 base pairs TYPE: nucleic acid STRANDEDNESS: single
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           ANTI-SENSE: Yes
FRAGMENT TYPE:
ORIGINAL SOURCE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         FILING DATE:
                                                                                                                                                                                                                                                                                                                  US-09-051-363-23
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      US-08-285-440-16
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Sequence 33, Application US/08974180

Fatent No. 6025194

GENERAL INFORMATION:

APPLICANT: Funk, Malter

ITLE OF INVENTION: Methods for Modulating and Identifying

TITLE OF INVENTION: Callular Senescence

NUMBER OF SEQUENCES: 36

CORRESPONDENCE ADDRESS:

ADDRESSEE: Geron Corporation

STREE: 230 Constitution Drive

CITY: Menlo Park

STATE: California

COUNTY: USA

IP: 94025

COMPUTER READABLE FORM:

MEDIUM TYPE: Floppy disk
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    ;
0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Length 26;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      SOFTWARE: Patentin Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/974,180
FILING DATE: 19-NOV-1997
CLASSIFICATION: 435
ATTORNEY AGENT INFORMATION:
NAME: Kaster, Kevin R.
REGISTRATION NUMBER: 32,704
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Score 14; DB 3; L
Pred. No. 9.5e+02;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          NAME/KEY: -
LOCATION: 1..26
1.0CATION: 1..26
1.0CHER INFORMATION: /note= "primer hTR S328"
US-08-974-180-33
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Mismatches
                                                                                                                                                                                                                                                                                                                                                                                 MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     AUDRESSEE: Immunex Corporation
STREET: 51 University Street
CITY: Seattle
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                REFERENCE DOCKET WINBER: 206
TELECOMMUNICATION INFORMATION:
TELEPHONE: (650) 473-7779
TELEFAX: (650) 473-8654
INFORMATION FOR SEQ ID NO: 33:
SEQUENCE CHARACTERISTICS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Ouery Match
Best Local Similarity 100...
14; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            LENGTH: 26 base pairs
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    nucleic acid
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     TOPOLOGY: linear MOLECULE TYPE: DNA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 STRANDEDNESS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       RESULT 15
US-08-091-519-5
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Sequence 2, Application US/08920165
Patent No. 5972608
GENERAL INFORMATION:
APPLICANT: Peterson, Craig L.
APPLICANT: Logie, Colin
TITLE OF INVENTION: ASSAYS AND REAGENTS FOR CHROMATIN
TITLE OF INVENTION: REMODELING ENZYMES AND THEIR MODULATORS
                                                                                                                                                                                                                                                                                 Query Match

47.3%; Score 14.2; DB 1; Length 30;
Best Local Similarity 70.4%; Pred. No. 7.9e+02;
Matches 19; Conservative 0; Mismatches 8; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Score 14.2; DB 2;
Pred. No. 8.7e+02;
0; Mismatches 8;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      STATE: Massachusetts
COUNTRY: USA
ZIP: 02110-2804
COMPUTER READABLE PORM:
MEDIUM TYPE: Diskette
COMPUTER: IBM Compatible
OPERATING SYSTEM: Windows
SOFTWARE: FastSEQ for Windows
SOFTWARE: FastSEQ for Windows
SOFTWARE: 27-AUG-1997
CLASSIFICATION NUMBER: US/08/920,165
FILING DATE: 27-AUG-1997
CLASSIFICATION: 435
ATTORNAY/AGENT INFORMATION:
NAME: Fasse, J. Peter
REGISTRATION NUMBER: 32,983
REGISTRATION NUMBER: 32,983
REGISTRATION NUMBER: 32,983
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           07917/057001
                                                                                                                                                                                                                                                                                                                                                               4 ACAGAGCCCAACTCTTCGCGGTGGCAG 30
                                                                                                                                                                                                                                                                                                                                                                                                      2 ACCGAGCTCAAACCTTAGTGGGGGGAAG 28
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         22 ACCGAGCCCTATGCTTCGCGAGTCCAG 48
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                E: Fish & Richardson, P.C.
225 Franklin Street
                                                                                                                                                                                                       other nucleic acid
FILING DATE: March 27, 1992
ATTORNEY/AGENT INFORMATION:
NAME: WARTEN M. Cheek, Jr.
REGISTRATION NUMBER: 33.367
INFORMATION FOR SEQ ID NO: 16:
SEQUENCE GHARACTERISTICS:
LENGTH: 30 base pairs
TYPE: nucleic acid
STRANDENESS: single
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       REFERENCE/DOCKET NUMBER: 07
PELECOMMUNICATION INFORMATION:
TELEPHONE: 617-542-5070
TELEFAX: 671-542-8906
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      47.38;
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Best Local Similarity 70.4
Matches 19; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 TELEX: 200154
INFORMATION FOR SEQ ID NO:
SEQUENCE CHARACTERISTICS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               50 base pairs
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         NUMBER OF SEQUENCES: 2
CORRESPONDENCE ADDRESS:
ADDRESSEE: Fish & Ric
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     TYPE: nucleic acid
STRANDEDNESS: single
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               MOLECULE TYPE: Other
                                                                                                                                                                                      linear
                                                                                                                                                                                ; TOPOLOGY: lin
; MOLECULE TYPE:
; ANTI-SENSE: Yes
US-08-630-349-16
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     STREET: 225 F
CITY: Boston
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 US-08-920-165-2
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COUNTRY: USA

COMPUTER READABLE FORM:
MEDIUW TYPE: Floppy disk
COMPUTER: IBM FC-DOS/MS-DOS
COMPUTER: IBM FC-DOS/MS-DOS
COMPUTER: IBM FC-DOS/MS-DOS
COMPUTER: PARCHINE FC-BOS/MS-DOS
CURRENT APPLICATION NUMBER: US/08/091,519
FLING DATE:
PAPLICATION NUMBER: US/07/701,415
FLING DATE: WS OF C-JUN-1990
PRIOR APPLICATION NUMBER: US 07/534,193
FLING DATE: WS OF C-JUN-1990
PRIOR APPLICATION NUMBER: US 07/573,576
FLING DATE: 10-DEC-1990
PRIOR APPLICATION NUMBER: US 07/627,071
FLING DATE: 13-DEC-1990
ATTONEY/GART INFORMATION:
NAME: WIGH, CALLSCOPPER ISSON
FREERENCE/DOCKET WHERE: 2003-C
TELEPHONE: 206-5570
FELENCY AND INFORMATION:
TELECOMMUNICATION INFORMA
```

0; Gaps

Query Match 46.0%; Score 13.8; DB 1; Length 46; Best Local Similarity 88.2%; Pred. No. 1.3e+03; Matches 15; Conservative 0; Mismatches 2; Indels

Search completed: June 25, 2003, 00:24:36 Job time: 46.5378 secs

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13.4
13.4
13.4
                 22
23
23
23
                                        000
                                                                                                                                                                                June 25, 2003, 13:28:54; Search time 91.1952 Seconds (without alignments) 482.732 Million cell updates/sec
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Published Applications NA:*

1: /cgn2_6/ptodata/1/pubpna/USO7 PUBCOMB.seq:*
2: /cgn2_6/ptodata/1/pubpna/DSO6 NEW PUB.seq:*
3: /cgn2_6/ptodata/1/pubpna/USO6 NEW PUB.seq:*
4: /cgn2_6/ptodata/1/pubpna/USO6 NEW PUB.seq:*
5: /cgn2_6/ptodata/1/pubpna/USO6 NEW PUB.seq:*
7: /cgn2_6/ptodata/1/pubpna/USO8 NEW PUB.seq:*
7: /cgn2_6/ptodata/1/pubpna/USO8 NEW PUB.seq:*
9: /cgn2_6/ptodata/1/pubpna/USO8 NEW PUB.seq:*
9: /cgn2_6/ptodata/1/pubpna/USO9 NEW PUB.seq:*
10: /cgn2_6/ptodata/1/pubpna/USO9 NEW PUB.seq:*
11: /cgn2_6/ptodata/1/pubpna/USO9 NEW PUB.seq:*
11: /cgn2_6/ptodata/1/pubpna/USO9 NEW PUB.seq:*
13: /cgn2_6/ptodata/1/pubpna/USO0 NEW PUB.seq:*
14: /cgn2_6/ptodata/1/pubpna/USO0 NEW PUB.seq:*
14: /cgn2_6/ptodata/1/pubpna/USO0 NEW PUB.seq:*
14: /cgn2_6/ptodata/1/pubpna/USO0 NEW PUB.seq:*
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         832576
                                      GenCore version 5.1.6
Copyright (c) 1993 - 2003 Compugen Ltd.
                                                                                                                                                                                                                                                                                US-08-770-564A-5
30
1 CTGACAGAGCCCAACTCTTCGCGGTGGCAG 30
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Total number of hits satisfying chosen parameters:
                                                                                                                                                                                                                                                                                                                                                                                                                                                           1042519 segs, 733713590 residues
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries
                                                                                                                                    - nucleic search, using sw model
                                                                                                                                                                                                                                                                                                                                                                                 IDENTITY NUC
Gapop 10.0 , Gapext 1.0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Minimum DB seq length: 0 Maximum DB seq length: 50
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             11212
                                                                                                                                                                                                                                                                                Title:
Perfect score:
                                                                                                                                                                                                                                                                                                                                                                                 Scoring table:
                                                                                                                                    OM nucleic
                                                                                                                                                                                                                                                                                                                                      Sequence:
                                                                                                                                                                                                                                                                                                                                                                                                                                                           Searched:
۲,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Database
                                                                                                                                                                                     Run on:
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## SUMMARIES

Result No.	Score	Query	Query Match Length DB	DB	TD CI	Description
н	14.8	.49.3	28	9	US-10-151-320-25	Sequence 25, Appl
c 5	14.6	48.7	40	10	US-09-245-802-94	Sequence 94, Appl
m	14.4	48.0	19	Q	US-10-093-958-22	Sequence 22, Appl
c 4	14.4	48.0	31	10	US-09-801-274-373	Sequence 373, App
S	13.8	46.0	27	6	US-09-733-634-11	Sequence 11, Appl
9	13.8	46.0	46	6	US-10-199-209-5	Sequence 5, Appli
٥	13.8	46.0	47	6	US-09-853-526-222	Sequence 222, App
ص ن	13.8	46.0	47	6	US-09-853-526-299	Sequence 299, App
0	13.8	46.0	47	10	US-09-901-484A-222	Sequence 222, App
c 10	13.8	46.0	47	10	US-09-901-484A-299	Sequence 299, App
c 11	13.6.	45.3	24	10	US-09-820-339A-23	. ~
12	13.6	45.3	28	σ	US-10-152-363A-48	Sequence 48, Appl
c 13	13.6	45.3	29	σ	US-10-152-363A-41	Sequence 41, Appl
14	13.6	45.3	29	0	US-10-152-363A-42	Sequence 42, Appl
c 15	13.6	45.3	48	6	US-10-152-363A-16	Sequence 16, Appl
16	13.4	44.7	21	σ	US-09-909-567B-23	Sequence 23, Appl
c 17	13.4	44.7	23	10	US-09-766-154-31	31,
c 18	13.4	44.7	25	6	US-10-098-263B-5571	Sequence 5571, Ap
19	13.4	44.7	25	6	US-10-098-263B-47598	Seguence 47598. A

Sequence 79874, A Sequence 84572, A Sequence 11, Appl Sequence 8, Appl Sequence 83,	· · · · · · · · · · · · · · · · · · ·	<pre>indels 0; Gaps 0;</pre> <pre>REACTION</pre>
US-10-098-263B-79874 US-10-098-263B-84572 US-09-866-712-11 US-10-216-813 US-10-216-813 US-09-978-295A-83 US-09-978-192A-83 US-09-978-192A-83 US-09-978-192A-83 US-09-978-191A-83 US-09-978-191A-83 US-09-978-56A-83 US-09-978-56A-83 US-09-978-56A-83 US-09-978-56A-83 US-09-978-56A-83 US-09-978-56A-83 US-09-978-56A-83 US-09-98-83A-83 US-09-99-83A-83 US-09-99-83A-83 US-09-99-93A-83 US-09-99-93A-83 US-09-978-56A-83 US-09-99-93A-83 US-09-978-56A-83 US-09-99-93A-83 US-09-978-56A-83 US-09-978-56A-83 US-09-978-56A-83 US-09-978-54A-83 US-09-978-423A-83 US-09-978-423A-83 US-09-978-423A-83	ALIGNMENTS  10151320  4A1  DUAL-SPECIFICITY PHOSPHATASE US/10/151,320 05-16 ws Version 4.0  nce cleotide primer used for PCR	Score 14.8; DB 9; I Pred. No. 1.9e+03; 0; Mismatches 7; CGCGGTG 26 CAAGCTG 26 CAAGCTG 26 CAAGCTG 26 ILLEM P.C. J. PLEMENTARY POLYMERASE OWNSEND AND CREW
, , , , , , , , , , , , , , , , , , ,	n US/1015 092114A1 M. M. 436 MBER: US/ 2002-05-1 Windows V	9.3%; 3.1%; ve ACTCTT ACTCT ACTCTT ACTCT ACTCTT ACTCTT ACTCTT ACTCTT ACTCTT ACTCTT ACTCTT ACTCTT ACTCT ACTCTT ACTCT ACTCTT ACTCTT ACTCTT ACTCTT ACTCTT ACTCTT ACTCTT ACTCTT ACTCT
0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	ALJ tion US/10151320 030092114A1 (alf M. DSP-18 DUAL-SPEC 125,436 125,436 125,436 125,436 12,2002-05-16 NS: 2002-05-16 NS: 42 or Windows Versic al Sequence	rrity 73.1%; mservative AGAGCCCAACTC AGAGCCCAACTC CCAGCCAAACTC ICALION US/05 0049125A1 TION: EMMER PH.D., EMMER PH.D., EMDES: 136 130 130 130 130 130 130 130 130 130 130
4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4	320-25 125, Applica in No. US20 in Section 12 28 in S	cch 11 Similarity 7 11 Similarity 7 119; Conservati 12 CTGACAGGCCCA 1 CTGCCCAGCCCA 1 CTGGCCCAGCCAA 1 CTGCCAGCCAA 1 CTGCCCAGCCAA 1 CTGCCAGCCAA 1 CTGCCCAGCCAA 1 CTGCCAGCCAA 1 CTGCCAGCCAA 1 CTGCCAGCCAA 1 CTGCCAGCCAA 1 CTGCCAGCCAA 1 CTGCCAGCCAA 1 CTGCCCAGCCAA 1 CTGCCCAAA 1 CTGCCCAAAA 1 CTGCCCAAAA 1 CTGCCCAAAA 1 CTGCCCAAAAA
	LT 1 0-151-320-2; Quence 25, Quence 25, Construction Numble Information Number Con Inv. Interpretation Number OF Inv. ILE REFEREN URRENT FILLI URBER OF SE OF INV. ILE REFEREN URRENT FILLI URBER OF SE OF INV. ILE REFEREN URRENT FILLI URBER OF SE OF INV. ORTHREN INFORM ORTHREN INFORM ORTHREN INFORM ORTHREN INFORM ORTHREN INFORM	11 S 11 S 119 S 11
0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	RESULT 1 US-10-151-320-25 Sequence 25, Application US/10 Publication No. US20030092114A GENERAL INFORMATION: APPLICANT: Luche, Ralf M. APPLICANT: Luche, Ralf M. TITLE OF INVENTION: DSP-18 DU FILE REFERENCE: 200125.436 CURRENT APPLICATION NUMBER: U CURRENT APLICATION NUMBER: U CURRENT FILING DATE: 2002-05 NUMBER OF SEQ ID NOS: 42 SOFTWARE: PASESEQ for Windows SEQ ID NO 25 LENGTH: 28 TYPE: DNA ORGANISM: Artificial Sequence FEATURE: NRORMATION: Oligonucl	N Matri

```
APPLICANT: Massachusetts General Hospital
TITLE OF INVENTION: Method to stimulate Insulin production by pancreatic b-cells
FILE REFERENCE: 17633/420
CURRENT APPLICATION NUMBER: US/09/733,634
CURRENT FILING DATE: 2000-12-08
PRIOR APPLICATION NUMBER: US 60/170,282
PRIOR PILING DATE: 1999-12-10
NUMBER OF SEQ ID NOS: 32
SOFTWARE: Patentin version 3.0
SEQ ID NO 11
LENGTH: 27
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Length 31;
                                                                                                 Sequence 373, Application US/09801274

Sequence 373, Application US/09801274

Patent No. US20020321931

GENERAL INFORMATION:

APPLICANT: Cargill, Michele

APPLICANT: Lander, Eric S.

TITLE OF INVENTON: HUMAN SINGLE NUCLEOTIDE POLYMORPHISMS

FILE REFERENCE: 2825.2009-001

CURRENT FILING DATE: 2001-03-07

PRIOR APPLICATION NUMBER: US 60/187,510

PRIOR APPLICATION NUMBER: US 60/206,129

PRIOR FILING DATE: 2000-03-07

PRIOR APPLICATION NUMBER: US 60/206,129

PRIOR FILING DATE: 2000-05-22

NUMBER OF SEQ ID NOS: 1802

SOFTWARE: FastSEQ for Windows Version 4.0

LENGTH 31
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Length 27;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Score 14.4; DB 10;
Pred. No. 2.9e+03;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Query Match
46.0%; Score 13.8; DB 9;
Best Local Similarity 72.0%; Pred. No. 5.5e+03;
Matches 18; Conservative 0; Mismatches 7;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             1; Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         5 CAGAGCCCAACTCTTCGCGGTGGCAG 30
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   27 cacacccarckcagacrrcrccaaac 2
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        1 CTGACAGAGCCCAACTCTTCGCGGT 25
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           OTHER INFORMATION: Synthetic primer NAME/KRY: misc feature (27) (27) (177) OTHER INFORMATION: Synthetic primer OTHER INFORMATION: Synthetic primer
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 26 creacadesceacadescreceas
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Sequence 11, Application US/09733634 Publication No. US20030013646A1 GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   48.0%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            TYPE: DNA
ORGANISM: Artificial Sequence
         4 cagageceaaarerre 19
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Query Match
Best Local Similarity 69.2
Matches 18; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               ; ORGANISM: Homo sapiens
US-09-801-274-373
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      RESULT 5
US-09-733-634-11/c
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        US-09-733-634-11
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               TYPE: DNA
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Publication No. US20030044423A1
GENERAL INFORMATION:
GENERAL INFORMATION:
GENERAL INFORMATION:
GENERAL INFORMATION:
APPLICANT: GILILES, Stephen
APPLICANT: GILILES, May
TITLE OF INVENTION: Wolety
TITLE OF INVENTION: Wolety
FILE REFERENCE: LEX-016
CURRENT APPLICATION NUMBER: US/10/093,958
CURRENT PILING DATE: 2002-03-07
PRIOR PILING DATE: 2001-03-07
RIOR PRIOR PILING DATE: 2001-03-07
NUMBER OF SEQ ID NOS: 50
SOFTWARE: PatentIn version 3.0
SEQ ID NO 22
LENGTH: 19
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  ö
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    48.0%; Score 14.4; DB 9; Length 19; larity 93.8%; Pred. No. 38+03; Conservative 0; Mismatches 1; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                ; FEATURE:
; OTHER INFORMATION: forward primer for gamma 1 hinge region
US-10-093-958-22
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Indels
                                                                                                 SOFTWARE: PA-DOS/MS-DOS SOFTWARE: PA-ENTIN Release #1.0, Version #1.25 CURRENT APPLICATION DATA: APPLICATION NUMBER: US/09/245,802
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Score 14.6; DB 10;
Pred. No. 2.4e+03;
                                                                                                                                                                                                                                                                                                                                                                                                                                                         NAME: MURPHY, ESQ., MATTHEW B.
REGISTRATION NUMBER: ,39,787
REFERENCE / DOCKET NUMBER: ,16528J-015410US
TELECOMMUNICATION INFORMATION:
TELEPHONE: (415) 326-2400
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        0; Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       2 TGACAGACCCAACTCTTCGCGGTGGCAG 30
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 36 reaganacecencerrecesanges 8
                                                                                                                                                                                                                                                                                                FILING DATE:
CLASSIFICATION:
PRIOR APPLICATION DATA:
APPLICATION UNBER: PCT/US96/05480
FILING DATE: 18-APR-1996
CLASSIFICATION:
ATTORNEY/AGENT INPORMATION:
                                                                                                                                                                                                                                      CLASSIFICATION:
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/675,502
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            48.7%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      TYPE: DNA ORGANISM: artificial sequence
                              ZIP: 94111-3834
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       TELEPAX: (415) 326-2422 INFORMATION FOR SEQ ID NO: SEQUENCE CHARACTERISTICS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Query Match
Best Local Similarity 69.03
Matches 20; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               40 base pairs
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          nucleic acid
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             ; TOPOLOGY: circular
US-09-245-802-94
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Best Local Similarity
Matches 15; Conserva
                U.S.A.
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LOCATION: 1..23 OTHER INFORMATION: potential microsequencing oligo 4-84-241.misl OTHER INFORMATION: botential microsequencing oligo 4-84-241.misl LOCATION: 25..47 OTHER INFORMATION: complement potential microsequencing oligo 4-84-241.mis2
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Pred. No. 5.4e+03;
0; Mismatches 7;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   LOCATION: 1..47
OTHER INFORMATION: polymorphic fragment 4-84-241
NAME/KEY: allele
LOCATION: 24
APPLICANT: Blumenfeld, Marta
APPLICANT: Ilya, Chumakov
TTTLB OF INVENTION: PROSTATE CANCER
FILE REFERENCE: GENEST. 18CPLCP
CURRENT APPLICATION NUMBER: 08/09/853,526
CURRENT PILING DATE: 2001-05-11
PRIOR APPLICATION NUMBER: 09/338,907
PRIOR PILING DATE: 1999-06-23
PRIOR PILING DATE: 1999-06-23
PRIOR PILING DATE: 1999-06-8
PRIOR PILING DATE: 1999-06-9
PRIOR PILING DATE: 1999-09-9
PRIOR PILING DATE: 1998-09-9
PRIOR PILING DATE: 1998-09-9
PRIOR PILING DATE: 1998-12-22
NUMBER OF SEG ID NOS: 578
SOCTWARR: Patent.pm
SEQ ID NO 222
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 US-09-853-526-299/C

SQUENCE 299, Application US/09853526

Patent No. US20020165345A1

GENERAL INFORMATION:
GENERAL INFORMATION:
APPLICANT: Blumenfeld, Marta
APPLICANT: Blumenfeld, Marta
APPLICANT: Bougueleret, Lydie
APPLICANT: Bougueleret, Lydie
ITILE OF INVENTION: PROSTATE CANCER GENE
FILE REFERENCE: GENSET.18CPLCP
CURRENT APPLICATION NUMBER: 09/9338,907
PRIOR APPLICATION NUMBER: 09/338,907
PRIOR FILING DATE: 1999-06-23
PRIOR PRLING DATE: 1999-06-23
PRIOR PRLING DATE: 1999-06-23
PRIOR PLING DATE: 1999-06-23
PRIOR PLING DATE: 1998-09-09
PRIOR PLING DATE: 1998-09-09
PRIOR PLING DATE: 1998-09-09
PRIOR PLING DATE: 1998-09-09
PRIOR PRIOR PLING DATE: 1998-12-22
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NAME/KEY: primer_bind
LOCATION: 1..23
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Best Local Similarity 72.0%;
Matches 18; Conservative
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SOFTWARE: Patent.pm
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  TYPE: DNA
ORGANISM: Homo Sapiens
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    FEATURE:
NAME/KEY: allele
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  US-09-853-526-222
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                                                                   APPLICANT: Sims, John E.
Cosman, David J.
Lupton, Stephen D.
Mosley, Bruce A.
Dower, Steven K.
TITLE OF INVENTION: Type II Interleukin-1 Receptors
CORRESPONDENCE S. 14
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          46.0%; Score 13.8; DB 9;
88.2%; Pred. No. 5.4e+03;
                                                                                                                                                                                                                                                                                                                                                                                               ZIP: 98101

COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
CCMPUTER: 1BM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.24
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/10/199,209
FILING DATE: 19-Jul-2002
CLASSIFICATION: «Unknown»
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    PRIOR APPLICATION DATA:

APPLICATION NUMBER: US/09/461,908
FILING DATE: «Uhknown»
APPLICATION NUMBER: US/08/091,519
FILING DATE: «Uhknown»
APPLICATION NUMBER: US/07/701,415
FILING DATE: «Uhknown»
APPLICATION NUMBER: US/07/701,415
FILING DATE: 24-AUG-1990
APPLICATION NUMBER: US 07/534,193
FILING DATE: 24-AUG-1990
APPLICATION NUMBER: US 07/573,576
FILING DATE: 24-AUG-1990
APPLICATION NUMBER: US 07/573,576
FILING DATE: 13-DEC-1990
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            0; Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               NAME: Wight, Christopher L.
REGISTRATION NUMBER: 31680
REPERENCE/DOCKET NUMBER: 2003-C
TELECOMMUNICATION INFORMATION:
                                                                                                                                                                                                                                                                            ADDRESSEE: Immunex Corporation STREET: 51 University Street
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             ) ANTI-SENSE: N SEQUENCE DESCRIPTION: SEQ ID NO: 5: US-10-199-209-5
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              TOPOLOGY: linear MOLECULE TYPE: DNA (genomic)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       TELEFAX: 206-233-0644
INFORMATION FOR SEQ ID NO: 5:
SEQUENCE CHARACTERISTICS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          ATTORNEY/AGENT INFORMATION
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          TYPE: nucleic acid
STRANDEDNESS: single
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             9 GCCCAACTCTTCGCGGT 25
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Best Local Similarity 88.2
Matches 15; Conservative
                                                                                                                                                                                                                                                                                                                                CITY: Seattle
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Gaps

ORGANISM: Homo Sapiens

SEQ ID NO 299 LENGTH: 47

Sequence 222, Application US/09853526 Patent No. US20020165345A1 GENERAL INFORMATION:

RESULT 7 US-09-853-526-222/c

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COTHER INFORMATION: (1)...(47)
COTHER INFORMATION: polymorphic fragment 4-84-241, variant version of SEQ ID 222
INAME/KEY: allele
LOCATION: (24)...(24)
COTHER INFORMATION: polymorphic base T; G in SEQ ID 222
NAME/KEY: primer bind
LOCATION: (1)...(23)
COTHER INFORMATION: potential microsequencing oligo 4-84-241.mis1
NAME/KEY: primer bind
LOCATION: (25)...(47)
COTHER INFORMATION: complement potential microsequencing oligo 4-84-241.mis2
US-09-901-484A-299
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Pred. No. 5.4e+03;
0; Mismatches 7; Indels (
                                                                                                                                                                                                                                                                                                             APPLICANT: Chumakov, ilya
APPLICANT: Chumakov, ilya
APPLICANT: Blumenfeld, Marta.
APPLICANT: Bouguelert, Lydie
TILE OF INVENTION: Prostate Cancer Gene
FILE REFERENCE: GEN-T111XC3D2
CURRENT APPLICATION NUMBER: US/09/901,484A
CURRENT FILING DATE: 1997-12-22
PRIOR APPLICATION NUMBER: US 08/996,306
PRIOR APPLICATION NUMBER: US 08/996,58
PRIOR PILING DATE: 1998-09-09
PRIOR FILING DATE: 1998-12-22
PRIOR FILING DATE: 1998-12-22
PRIOR PILING DATE: 1999-66-23
PRIOR PILING DATE: 1999-66-23
PRIOR PILING DATE: 1999-66-23
PRIOR PILING DATE: 1999-66-23
PRIOR PILING DATE: 2001-05-11
NUMBER OF SED ID NOS: 578
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41 AGAACTGAATTATTCACCGTGGCAG 17
                                                                                                                                                           US-09-901-484A-299/c;
Sequence 299, Application US/09901484A;
Patent No. US20020119460A1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Sequence 23, Application US/09820339A Patent No. US20020081652A1 GENERAL INFORMATION: APPLICANT: FUCHS, Sara APPLICANT: BARCHAN, Dora
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Query Match
Best Local Similarity 72.0%;
Matches 18; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      SOFTWARE: Patentin version 3.1
SEQ ID NO 299
                                                                                                                                                                                                                                                        GENERAL INFORMATION:
APPLICANT: Cohen, Daniel
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  NAME/KEY: allele
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      RESULT 11
US-09-820-339A-23/c
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                                       셤
                                                           CTHER INFORMATION: Dolymorphic fragment 4-84-241, variant version of SEQ ID222
CTHER INFORMATION: Dolymorphic fragment 4-84-241, variant version of SEQ ID222
NAME/KEY: allele
LOCATION: 24
OTHER INFORMATION: base T ; G in SEQ ID222
NAME/KEY: primer bind
LOCATION: 1..23
OTHER INFORMATION: potential microsequencing oligo 4-84-241.mis1
NAME/KEY: primer bind
LOCATION: 25..47
OTHER INFORMATION: complement potential microsequencing oligo 4-84-241.mis2
US-09-853-526-299
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OTHER INFORMATION: complement potential microsequencing oligo 4-84-241.mis2
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LOCATION: (1)...(47)

NAME/KEY: allele

LOCATION: (24)...(24)

LOCATION: (24)...(24)

NAME/KEY: primer bind

LOCATION: (1)...(53)

NAME/KEY: primer bind

LOCATION: (1)...(53)

LOCATION: (2)...(47)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Query Match 46.0%; Score 13.8; DB 9; Length 47; Best Local Similarity 72.0%; Pred. No. 5.4e+03; Matches 18; Conservative 0; Mismatches 7; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         APPLICANT: Cohen, Daniel
APPLICANT: Cohen, Daniel
APPLICANT: Chumakov, Ilya
APPLICANT: Chumakov, Ilya
APPLICANT: Bougueleret, Lydie
TITLE OF INVENTION: Prostate Cancer Gene
FILE REPERENCE: GEN-TILIXCOJO
CURRENT APPLICATION NUMBER: US 08/996,306
PRIOR PELING DATE: 1997-12-22
PRIOR APPLICATION NUMBER: US 06/099,658
PRIOR PILING DATE: 1998-09-09
PRIOR PILING DATE: 1998-09-09
PRIOR APPLICATION NUMBER: US 09/218,207
PRIOR APPLICATION NUMBER: US 09/338,907
PRIOR PILING DATE: 1999-06-23
PRIOR PILING DATE: 1999-06-23
PRIOR PILING DATE: 1999-06-23
PRIOR APPLICATION NUMBER: US 09/853,526
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LENGTH: 47
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APPLICANT: BARCHAN, Dora
APPLICANT: SOURCUJON, Miriam
APPLICANT: SOURCUJON, Miriam
TITLE OF INVENTION: RECOMBINANT FRAGMENTS OF THE HUMAN ACETYLCHOLINE RECEPTOR AND THITLE OF INVENTION: FOR TREATMENT OF MYASTHENIA GRAVIS
FILE REFERENCE: FUCHS=2A
CURRENT APPLICATION NUMBER: US/09/820,339A
CURRENT APPLICATION NUMBER: US/99-11-08
PRIOR APPLICATION NUMBER: O9/423,338
PRIOR FILING DATE: 1999-11-08
PRIOR FILING DATE: PCT/IL98/00211
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Gaps

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Indels

46.0%; Score 13.8; DB 10; 72.0%; Pred. No. 5.4e+03; tive 0; Mismatches 7;

Query Match
Best Local Similarity 72.03
Matches 18; Conservative

6 AGAGCCCAACTCTTCGCGGTGGCAG 30

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Length 47;

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Gaps

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Gaps
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                                                                                                                                                                                                                                              RESULT 14
US-10-152-363A-42
; Sequence 42, Application US/10152363A
; Publication No. US20030103986A1
; GENERAL INFORMATION:
    APPLICANT: Rixon, Mark W.
; APPLICANT: Rixon, Mark W.
; TITLE OF INVENTION: TACI-Immunoglobulin Fusion Proteins
    TILE REPERENCE: 01-20
; CURRENT FILING DATE: 2002-05-20
; PRIOR APPLICATION NUMBER: 60/293,343
; PRIOR APPLICATION NUMBER: 60/293,343
; PRIOR PLING DATE: 2001-05-24
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; Sequence 16, Application US/10152363A
; Publication No. US20030103986A1
; GENERAL INFORMATION:
; APPLICANT: Rixon, Mark W.
; APPLICANT: Gross, Jane A.
; TITLE OF INVENTION: TACI-Immunoglobulin Fusion Proteins
; PILE REFERENCE: 01-20
; CURRENT FILING DATE: 2002-05-20
; PRIOR APPLICATION NUMBER: 60/293,343
; PRIOR PILING DATE: 2001-05-24
; PRIOR PILING DATE: 2001-05-24
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Pred. No. 6.8e+03;
0; Mismatches 4;
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Pred. No. 6.7e+03;
                                                Score 13.6; DB 9;
Pred. No. 6.8e+03;
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                                                                                              0; Mismatches
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SOFTWARE: FastSEQ for Windows Version 3.0
SEQ ID NO 42
LENGTH: 29
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SOFTWARE: FastSEQ for Windows Version 3.0
SEQ ID NO 16
LENOTH: 48
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80.0%;
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Best Local Similarity 80.0°
Matches 16; Conservative
                                                Query Match
Best Local Similarity 80.0
Matches 16; Conservative
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Best Local Similarity 80.0
Matches 16; Conservative
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                                                                                                                                                                                                                                                       Length 24;
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Publication No. US20030103986A1

GENERAL INFORMATION:

APPLICANT Rixon, Mark W.

APPLICANT Gross, Jane A.

TITLE OF INVENTION: TACI-Immunoglobulin Fusion Proteins
FILE REFERENCE: 01-20

CURRENT APPLICATION NUMBER: US/10/152,363A

CURRENT APPLICATION NUMBER: 60/293,343

PRIOR FILING DATE: 2001-05-24

NUMBER OF SEQ ID NOS: 70

SEQ ID NOS: 70
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Sequence 41, Application US/10152363A

Publication No. US2030103986A1

GENERAL INFORMATION:
APPLICANT: Rixon, Mark W.
APPLICANT: Gross, Jane A.
TILLE OF INVENTION: TACI-Immunoglobulin Fusion Proteins
FILE REFERENCE: 01-20
CURRENT APPLICATION NUMBER: US/10/152,363A

CURRENT FILING DATE: 2002-05-20
PRIOR APPLICATION NUMBER: 60/293,343

PRIOR APPLICATION NUMBER: 60/293,343

PRIOR PLING DATE: 2001-05-24

NUMBER OF SEQ ID NOS: 70

SOFTWARE: FastSEQ for Windows Version 3.0
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Pred. No. 6.8e+03;
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Best Local Similarity 80.0%; Pred. No. 6.8e
Matches 16; Conservative 0; Mismatches
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PRIOR FILING DATE: 1998-05-06
NUMBER OF SEQ ID NOS: 32
SOFTWARE: Patentin version 3.0
SEQ ID NO 23
LENGTH: 24
                                                                                                            TYPE: DNA
ORGANISM: Artificial Sequence
FEATURE:
OTHER INFORMATION: Synthetic
US-09-820-339A-23
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   OTHER INFORMATION: PCR primer, US-10-152-363A-48
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OTHER INFORMATION: PCR primer.
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ORGANISM: Artificial Sequence
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LENGTH: 29
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Search completed: June 25, 2003, 22:25:03 Job time: 92.1952 secs

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Sequence 1064, Ap
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Sequence 5, Appl:
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Sequence 7,
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US-08-770-5644-5
US-08-770-5644-5
PCT-US97-23619-6
PCT-US97-23619-7
US-08-770-5644-6
US-08-770-5644-6
US-08-770-5644-6
US-08-770-5644-6
US-08-770-5644-105231
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US-09-956-6048-105231
US-09-956-6048-105231
US-09-956-6048-105231
US-09-404-520-39034
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US-09-404-520-39034
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GenCore version 5:1.6
Copyright (c) 1993 - 2003 Compugen Ltd.
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/pna/US094_COMB.seq:
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Maximum Match 100%
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DB seq length: 50
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GENERAL INFORMATION:
APPLICANT: Kealey, James T.
APPLICANT: Pruzan, Ron
APPLICANT: Weinrich, Scott L.
TITLE OF INVENTION: Inhibitory Polynucleotides Directed
TITLE OF INVENTION: Against the RNA Component of Telomerase
NUMBER OF SEQUENCES: 15
CORRESPONDENCE ADDRESS:
ADDRESSEE: TOWNSEND and TOWNSEND and CREW LLP
STREET: TWO Embarcadero Center, 8th Floor
CTITLE OF INVENTION: AGAINST TOWNSEND AND CREW LLP
STREET: TWO Embarcadero Center, 8th Floor
CTITLE OF INVENTION: AGAINST TWO Embarcadero Center, 8th Floor
CTITLE OF INVENTION: AGAINST TWO Embarcadero Center, 8th Floor
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          100.0%; Score 30; DB 11; Length 30; 100.0%; Pred. No. 0.0074; ive 0; Mismatches 0; Indels
                                                                                                                                                                                                                                                              100.0%; Score 30; DB 1; Length 30; 100.0%; Pred. No. 0.0074; vative 0; Mismatches 0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
COMPRAING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/770,564A
FILING DATE: 20-DEC-1996
CLASSIFICATION: 514
ATTORNEY/AGENT INPORMATION:
NAME: Storella, John R.
REGISTRATION NUMBER: 32,944
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              015389-002200US
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                                                                                                                                                                                                                                                                                                                                                                                                      1 CTGACAGAGCCCAACTCTTCGCGGTGGCAG 30
                                                                                                                                                                                                                                                                                                                                                                 1 CTGACAGAGCCCAACTCTTCGCGGTGGCAG 30
                                                                                                                                               NAME/KEY: -
1.30
1.0CATION: 1..30
PCT-US97-23619-5
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TELECOMMUNICATION INFORMATION:
TELEPHONE: 415-576-0200
TELEFAX: 415-576-0300
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Query Match
Best Local Similarity 100.
Matches 30; Conservative
                                                                                                                                                                                                                                                                   Query Match
Best Local Similarity 100.C
Matches 30; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            STATE: CA
COUNTRY: USA
ZIP: 94111
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy di
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              INFORMATION FOR SEQ ID NO. SEQUENCE CHARACTERISTICS LENGTH: 30 base pairs TYPE: muclic acid
LENGTH: 30 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    TYPE: nucleic acid
STRANDEDNESS: single
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    TOPOLOGY: linear MOLECULE TYPE: DNA
                                                                           linear
                                                                                               MOLECULE TYPE:
FEATURE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                RESULT 3
US-08-521-634-15/c
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US-08-770-564A-5
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                                                                      Sequence 99299,
Sequence 187, App
Sequence 40536, A
Sequence 301573,
Sequence 301573,
Sequence 809390,
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Sequence 2846, Ap
Sequence 38072, A
Sequence 24820, A
                                                                                                                                                                                                                                                                                                                                                                                          Sequence 134580,
Sequence 592670,
Sequence 5017, Ap
                                                                                                                                                                                                                                                                           Sequence 3806, Ap
Sequence 26072, A
                                                                                                                                                                                                                                                                                                                      Sequence 141444,
Sequence 141444,
Sequence 141444,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Sequence 25, Appl
                                                                                                                                                                                                                           Sequence 207601,
                                                                                                                                                                                                                                               Sequence 28958,
                           Sequence
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 APPLICANT:
TITLE OF INVENTION: Methods for Detecting and Inhibiting the TITLE OF INVENTION: RNA Component of Telomerase NUMBER OF SEQUENCES: 29
CORRESPONDENCE ADDRESS: Towneend and Townsend and Crew LLP STREET: Two Embarcadero Center, Eighth Floor CITY: San Francisco STATE: California COUNTRY: USA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: Floppy disk
COMPUTER: IEM PC COMPATIBLE
COMPUTER: IEM PC COMPATIBLE
COMPUTER: PATENTINE SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PATENTIN Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: PCT/US97/23619
FILING DATE: NOT YET ASSIGNED
CLASSIFICATION:
  US-10-227-565-62082

US-60-233-620-16218

US-60-233-987-992999

US-60-353-987-992999

US-09-954-427-911873

US-09-954-427-911873

US-60-233-166-301573

US-60-233-186-301573

US-60-233-987-207601

US-60-233-987-207601

US-09-404-520-28958

US-09-956-6048-141444

US-09-956-6048-141444
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APPLICATION NUMBER: US 08/770,564
FILING DATE: 20-DEC-1996
PRIOR APPLICATION NUMBER: US 08/770,565
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/770,565
ATTORNEY AGNET INFORMATION:
NAME: Storella, John R.
REGISTRATION NUMBER: 32,944
REFERENCE/DOCKET NUMBER: 15389-27PC
TELECOMMUNICATION INFORMATION:
TELEPHONE: (415) 576-0200
TELEPHONE: (415) 576-0300
INFORMATION POR SEQ ID NO: 5:
SEQUENCE CHARACTERISTICS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            ALIGNMENTS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Sequence 5, Application PC/TUS9723619
GENERAL INFORMATION:
APPLICANT:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     RESULT 1
PCT-US97-23619-5
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TITLE OF INVENTION: Methods for Detecting and Inhibiting the TITLE OF INVENTION: RNA Component of Telomerase NUMBER OF SEQUENCES: 29
CORRESPONDENCE ADDRESS:
ADDRESSEE: Townsend and Townsend and Crew LLP
STREET: Two Embarcadero Center, Eighth Floor
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Length 20;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Indels
                                                                                                                                         COUNTRY: USA
ZIP: 9411-3814

CARDYER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PATENTIN Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: PCT/US97/23619
FILING DATE: NOC Yet assigned
CLASSIFICATION:
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/770,564
FILING DATE: 20-DEC-1996
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/770,565
FILING DATE: 20-DEC-1996
ATTORNEY/AGENT INFORMATION:
APPLICATION NUMBER: 32,944
REFERENCE/DOCKET NUMBER: 15389-27PC
TELECOMMUNICATION INFORMATION:
TELEPHONE: (415) 576-0300
TELEFAX: (415) 576-0300
TELEFAX: (415) 576-0300
TELEFAX: NICHER SEQ ID NO: 6:
SEQUENCE CHARACTERISTICS:
LENGTH: 20 base pairs
  NUMBER OF SEQUENCES: 29
CORRESPONDENCE ADDRESS:
ADDRESSEE: Townsend and Townsend and Crew LLP
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            66.7%; Score 20; DB 1; L 100.0%; Pred. No. 2.1e+02;
                                                                   STREET: Two Embarcadero Center, Eighth Ploor
CITY: San Prancisco
STATE: California
COUNTRY: USA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     100.0%; Pred. ...
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; LOCATION: 1..20
; OTHER INFORMATION: /note= "oligo l6ab"
PCT-US97-23619-6
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    1 CTGACAGAGCCCAACTCTTC 20
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Best Local Similarity 100.
Matches 20; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      STRANDEDNESS: single
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              ZIP: 94111-3834
COMPUTER READABLE FORM:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               CITY: San Francisco
STATE: California
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             TOPOLOGY: linear MOLECULE TYPE: DNA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       PCT-US97-23619-7
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               APPLICANT:
APPLICANT:
APPLICANT:
APPLICANT:
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Query Match

80.0%; Score 24; DB 9; Length 24;
Best Local Similarity 100.0%; Pred. No. 3.5;
Matches 24; Conservative 0; Mismatches 0; Indels
                                                                                                                                    COUNTRY: USA
                                                                                                                                                                                                                                                                                                                                                                                           OPERATION SYSTEM: PC-DOS/MS-DOS SOFTWARE: Patentin Release #1.0, Version #1.25 CURRENT APPLICATION DATA:
APPLICATION NUMBER: US 08/621,634
FILING DATE: 31-AUG-1995
CLASSIFICATION 1 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/482,115
FILING DATE: 7-JUN-1995
PRIOR APPLICATION NUMBER: US 08/472,802
FILING DATE: 7-JUN-1995
PRIOR APPLICATION NUMBER: US 08/330,123
FILING DATE: 7-JUN-1995
PRIOR APPLICATION NUMBER: US 08/330,123
FILING DATE: 7-JUL-1994
PRIOR APPLICATION NUMBER: US 08/272,102
FILING DATE: 7-JUL-1994
ATPORTEY AGENT INFORMATION:
APPLICATION NUMBER: US 08/272,102
FILING DATE: 7-JUL-1994
ATPORTEY AGENT INFORMATION:
AREFERENCE/DOCKET NUMBER: 15389-000850
TELECOMMUNICATION NUMBER: 34,587
REGISTRATION NUMBER: 34,587
REGISTRATION NUMBER: 34,587
REGISTRATION NUMBER: 15389-000850
TELECOMMUNICATION INFORMATION:
TELEPHONE: 415-326-2402
INFORMATION COR SEQ ID NO: 15:
SEQUENCE CHARACTERISTICS:
LENGTH: 24 base pairs
TYPE: nucleic acid
STRANDENESS: single
                                       APPLICANT: Villeponteau, Bryant
APPLICANT: Feng, Juni,
APPLICANT: Funk, Walter
APPLICANT: Andrews, William
APPLICANT: ANDREWS, William
NUMBER OF SEQUENCES: 66
CORRESPONDENCE ADDRESS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            MOLECULE TYPE: DNA (oligonucleotide)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      3 GACAGAGCCCAACTCTTCGCGGTG 26
                                                                                                                                                                                                                                                                                                            ZIP: 94105
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Sequence 6, Application PC/TUS9723619 GENERAL INFORMATION:
Sequence 15, Application US/08521634 GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   APPLICANT:
APPLICANT:
APPLICANT:
APPLICANT:
TITLE OF INVENTION: N
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PCT-US97-23619-6
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APPLICANT:
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GENERAL INFORMATION:
APPLICANT: Fealey, James T.
APPLICANT: Pruzan. Ron
APPLICANT: Weinrich, Scott L.
TITLE OF INVENTION: Inhibitory Polynucleotides Directed
TITLE OF INVENTION: Against the RNA Component of Telomerase
NUMBER OF SEQUENCES: 15
CORRESPONDENCE ADDRESS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Length 20;
                                                                                                                                                                                                                                              Length 20;
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~~~d. No. 2.1e+02;
0;
 SOFTWARE: Patentin Release #1.0, Version #1.30 CURRENT APPLICATION DATA:
PAPLICATION NUMBER: US/08/770,564A
FILING DATE: 20-DEC-1996
CLASSIFICATION: 514-
NAME: Storella, John R.
REGISTRATION NUMBER: 32,944
 STREET: Two Embarcadero Center, 8th Floor
IITY: San Francisco
Olivera
 Score 20; DB 11; Pred. No. 2.1e+02;
 015389-002200US
 Query Match 66.7%; Score 20; DB Best Local Similarity 100.0%; Pred. No. 2.1 Matches 20; Conservative 0; Mismatches
 COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
 66.7%; Suran 100.0%; Pre
 1 CTGACAGACCCAACTCTTC 20
 REFERENCE/DOCKET NUMBER: 01
TELECOMMUNICATION INFORMATION:
TELEPHONE: 415-576-0200
 TELEFAX: 415-5.0-00. (
INFORMATION FOR SEQ ID NO: (
SEQUENCE CHARACTERISTICS:
TRINGTH: 20 Dasse pairs
 TELEFAX: 415-576-0300
INFORMATION FOR SEQ ID NO:
SEQUENCE CHARACTERISTICS:
 Conservative
 ZIP: 94111
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy of
 11 CCAACTCTTCGCGG
 nucleic acid
 TYPE: nucleic acid
STRANDEDNESS: sing
 TOPOLOGY: linear MOLECULE TYPE: DNA
 TOPOLOGY: linear;
MOLECULE TYPE: DNA
US-08-770-564A-6
 Best Local Similarity
Matches 20; Conserv
 USA
 STRANDEDNESS:
 US-08-770-564A-7
 US-08-770-564A-7
 COUNTRY:
 Query Match
 RESULT 8
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 APPLICANT: Kealey, James T.
APPLICANT: Fealey, James T.
APPLICANT: Pruzan, Ron
APPLICANT: Weinrich, Scott L.
TITLE OF INVENTION: Inhibitory Polynucleotides Directed
TITLE OF INVENTION: Against the RNA Component of Telomerase
NUMBER OF SEQUENCES: 15
CORRESPONDENCE ADDRESS:
ADDRESSE: TOWNSEND and TOWNSEND and CREW LLP
STREET: TWO Enbarcadero Center, 8th Floor
CITY: San Francisco
 Query Match 66.7%; Score 20; DB 1; Length 20; Best Local Similarity 100.0%; Pred. No. 2.1e+02; Matches 20; Conservative 0; Mismatches 0; Indels
 SOFTWARE: Patentin Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/770,564A
FILING DATE: 20-DEC-1996
CLASSIPICATION: 514
MEDIUM TYPE: Floppy disk
COMPUTER: 1BM PC Compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.30
CURRENT APPLICATION DATE:
PLING DATE: NOT yet assigned
 REFERENCE/DOCKET NUMBER: 015389-002200US
 NAME/KEY: -
1.20
1.0CATION: 1..20
1.0THER INFORMATION: /note= "oligo 16bc"
PCT-US97-23619-7
 FILING DATE: NOT YET ASSIGNED CLASSIFICATION:
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/770,564
FILING DATE: 20-DEC-1996
PRIOR APPLICATION NUMBER: US 08/770,565
FILING DATE: 20-DEC-1996
ATTORNEY AGENT INFORMATION:
NAME: Storella, John R.
REGISTRATION NUMBER: 32,944
REFERENCE/DOCKET NUMBER: 15389-27PC
TELECOMMUNICATION INFORMATION:
TELECOMMUNICATION INFORMATION:
TELEPHONE: (415) 576-0300
INFORMATION FOR SEG 1D NO: 7:
SEQUENCE CHARACTERISTICS:
LENGTH: 20 base pairs
 MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
 Sequence 6, Application US/08770564A GENERAL INFORMATION:
 11 CCAACTCTTCGCGGTGGCAG 30
 1 CCAACTCTTCGCGGTGGCAG 20
 ATTORNEY/AGENT INFORMATION:
NAME: Storella, John R.
REGISTRATION NUMBER: 32,944
 ZIP: 94111
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy
 TYPE: nucleic acid
STRANDEDNESS: single
 TOPOLOGY: linear MOLECULE TYPE: DNA
 USA
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 RESULT 6
US-08-770-564A-6
 COUNTRY:
 CITY: 8
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 RESULT 13
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 Gaps
 RESULT 9
US-09-56-604A-105231/C
US-09-56-604A-105231/C
Sequence 105231, Application US/09956604A
; Sequence 105231, Application US/09956604A
; GENERAL INFORMATION:
; APPLICANT: Mittmann, Michael
; TITLE OF INVENTION: Methods of Genetic Analysis of Escherichia coli;
; FILE REPERENCE: 3117.1
; CURRENT APPLICATION NUMBER: US/09/956,604A
; CURRENT FILING DATE: 2001-09-19
; PRIOR PILING DATE: 2000-09-19
; RIOR FILING DATE: 2000-09-19
; NUMBER OF SEQ ID NOS: 141629
; SOFTWARE: MICCOARTAY PROBE Sequence Listing Generator V 1.1
Sequence 105231, Application US/09956604
GENERAL INFORMATION:
APPLICANT: Mittenann, Michael
APPLICANT: Mittenann, Michael
TITLE OF INVENTION: Methods of Genetic Analysis of Escherichia coli
FILE REPERENCE: 317.1
CURRENT APPLICATION NUMBER: US/09/956,604
CURRENT FILING DATE: 2001-09-19
FRIOR PILING DATE: 2000-09-19
NUMBER OF SEQ ID NOS: 141629
SOFTWARE: Microarray Probe Sequence Listing Generator V 1.1
SEQ ID NO 105231
LENGTH: 25
 SQUENCE 105231, Application US/09956604B
GENERAL INFORMATION:
APPLICANT WILLIAM: Michael
TITLE OF INVENTION: Methods of Genetic Analysis of Escherichia coli
FILE REPERENCE: 317.1
CURRENT APPLICATION NUMBER: US/09/956,604B
CURRENT FILING DATE: 2001-09-19
PRIOR PILING DATE: 2000-09-19
NUMBER OF SEQ ID NOS: 141629
SOFTWARE: Microarray Probe Sequence Listing Generator V 1.1
SEQ ID NO 105231
LENGTH: 25
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 Score 18.4; DB 36; Length 25; Pred. No. 1.1e+03;
 Length 25;
 Indels
 Indels
 Score 18.4; DB 36;
Pred. No. 1.1e+03;
 0; Mismatches
 0; Mismatches
 10 CCCAACTCTTCGCGGTGGCA 29
 10 CCCAACTCTTCGCGGTGGCA 29
 23 cacaacrerrecederecea 4
 Query Match
Best Local Similarity 95.0%;
Matches 19; Conservative
 Query Match
Best Local Similarity 95.0%;
Matches 19; Conservative
 ; TYPE: DNA; ORGANISM: Escherichia coli
US-09-956-604-105231
 TYPE: DNA ORGANISM: Escherichia coli
 ; ORGANISM: Escherichia coli
US-09-956-6048-105231
 RESULT 10
US-09-956-604B-105231/c
 US-09-956-604A-105231
 SEQ ID NO 105231
LENGTH: 25
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 Sequence 39034, Application US/09404520
GENERAL INFORMATION:
APPLICANT: Cao, Yongwei
APPLICANT: Hinkle, Gregory J.
APPLICANT: McIninch, James
APPLICANT: Timberlake, William E.
APPLICANT: You Jachyuk
TITLE OF INVENTION: Emericalla nidulans Genome Sequence and Uses Thereof
FILE REPERENCE: 38-10 (15498) A
CURRENT APPLICATION NUMBER: US/09/404,520
CURRENT APPLICATION DATE: 1999-09-23
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 25;
 Length 25;
 Score 18; DB 18; Length 48;
Pred. No. 1.8e+03;
 Length
 APPLICANT: Mittmann, Michael
APPLICANT: Mittmann, Michael
APPLICANT: Affymetrix, Inc.
ITILE OF INVENTION: Methods of Genetic Analysis of
ITILE OF INVENTION: Escherichia coli
FILE REPERENCE: 3117
CURRENT APPLICATION NUMBER: US/60/234,049
CURRENT FILING DATE: 2000-09-19
NUMBER OF SEQ ID NOS: 141659
SOFTWARE: FastSEQ for Windows Version 4.0
SEQ ID NO 86453
LENGTH: 25
 Query Match 61.3%; Score 18.4; DB 67;
Best Local Similarity 95.0%; Pred. No. 1.1e+03;
Matches 19; Conservative 0; Mismatches 1;
 Score 18.4; DB 36;
Pred. No. 1.1e+03;
 60.0%; Scor.
80.8%; Pred. No. 1...
Query Match 61.3%; Score 18.4; D
Best Local Similarity 95.0%; Pred. No. 1.1e
Matches 19; Conservative 0; Mismatches
 CRGANISM: Eschericia coli
; PUBLICATION INPORMATION:
DATABASE ACCESSION NUMBER: Genbank U00096
US-60-234-049-86433
 33 CAGAGCCCAGCTCATGGCGGCCGCAG 8
 US-60-234-049-86453/c
; Sequence 86453, Application US/60234049
; GENERAL INFORMATION:
 ; Sequence 37700, Application US/09404520
 10 CCCAACTCTTCGCGGTGGCA 29
 10 CCCAACTCTTCGCGGTGGCA 29
 23 cacaacrerredecerecea 4
 ; TYPE: DNA
; ORGANISM: Aspergillus nidulans
US-09-404-520-39034
 Query Match
Best Local Similarity 80.55
Them 21; Conservative
 NUMBER OF SEQ ID NOS: 44345
 US-09-404-520-39034/c
 US-09-404-520-37700/c
 SEQ ID NO 39034
LENGTH: 48
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APPLICANT: McIninch, James
APPLICANT: Timberlake, William E.
APPLICANT: Timberlake, William E.
APPLICANT: Yu, Jachyuk
TITLE OF INVENTION: Emericalla nidulans Genome Sequence and Uses Thereof
FILE REFERENCE: 38.10(15458)A
CURRENT APPLICATION NUMBER: US/09/404,520
CURRENT FILING DATE: 1999-09-23
 ö
 Length 41;
 Query Match 57.3%; Score 17.2; DB 79; Length 41; Best Local Similarity 73.3%; Pred. No. 4e+03; Matches 22; Conservative 0; Mismatches 8; Indels
 US-60-353-790-1064

Sequence 1064, Application US/60353790

SEQUENCE INFORMATION:
SAPLICANT: Bristol-Myers Squibb Company
TITLE OF INVENTION: HUMAN SINGLE NUCLEOTIDE POLYMORPHISMS
FILE REFERENCE: D0235 PSP
CURRENT APPLICATION NUMBER: US/60/353,790
CURRENT FILING DATE: 2002-01-31
NUMBER OF SEQ ID NOS: 3792
SOFTWARE: PATENTIN VERSION 3.1
 Query Match 57.3%; Score 17.2; DB 18; Best Local Similarity 73.3%; Pred. No. 4e+03; Matches 22; Conservative 0; Mismatches 8;
 APPLICANT: Ly, Ngoc
APPLICANT: Altman, Peter
TITLE OF INVENTION: LEUKOCYTE EXPRESSION PROFILING
 1 CTGACAGAGCCCAACTCTTCGCGGTGGCAG 30
 8 ccercadastccaacrcreccrececas 37
 37 cegacaradaccaacaredeeeeeag 8
 FILE REFERENCE: 506612000140
CURRENT APPLICATION NUMBER: PCT/US01/47856
CURRENT FILING DATE: 2001-10-22
 CT-US01-47856-7470/c
Sequence 7470, Application PC/TUS0147856
GENERAL INFORMATION:
 PRIOR APPLICATION NUMBER: US 60/241,994
 Wohlgemuth, Jay
Quertermous, Thomas
Johnson, Frances
 ; TYPE: DNA
; ORGANISM: Aspergillus nidulans
US-09-404-520-37700
 Fry, Kirk
Matcuk, George
Prentice, James
Phillips, Julie
Woodward, Robert
 NUMBER OF SEQ ID NOS: 44345
SEQ ID NO 37700
LENGTH: 41
 1 CTGACAGAGCCCAAC
 PPLICANT: BIOCARDIA, INC.
 TYPE: DNA
CORGANISM: Homo sapiens
US-60-353-790-1064
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PRIOR FILING DATE: 2000-10-20
| PRIOR PRLICATION NUMBER: US 60/296,764
| PRIOR PILICATION NUMBER: US 60/296,764
| PRIOR FILING DATE: 2001-06-08
| NUMBER OF SEQ ID NOS: 8832
| SOFTWARE: Patentin version 3.1
| SEQ ID NO 7470
| TYPE: DNA | ORGANISM: Human adenovirus type 2 | ORGANISM: Human adenovirus type 3 | ORGANISM: Human adenovirus type 3 | ORGANISM: Human adenovirus type 3 | ORGANI
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6, Appli 7, Appli 248, App 249, App

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Sequence Sequence Sequence

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Scoring table:

Searched:

Minimum DB Maximum DB

Database

Perfect score:

Sequence:

OM nucleic

Run on:

Sequence Sequence Sequence Sequence Sequence Sequence Sequence Sequence

Sequence

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INVENTION: SYNTHETIC DNA SEQUENCE HAVING ENHANCED INSECTICIDAL ACTIVITY IN MAIZE
 COMPUTER: IBM PC formatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.30
 CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/988,462
FILING DATE: 20-No. US20030046726A1-2001
CLASSIFICATION: <Unknown>
US-09-780-164-613

US-09-780-164-738

US-09-780-164-928

US-09-780-164-928

US-10-029-677-6

US-10-029-677-7

US-10-060-895A-259

US-10-060-998-1539

US-10-060-998-1539
 NUMBER OF SEQUENCES: 94
CORRESPONDENCE ADDRESS:
ADDRESSEE: Syngenta Biotechnology, Inc.
STREET: 3054 Cornwallis Road
CITY: Research Triangle Park
STATE: NC
COUNTRY: USA
 ALIGNMENTS
 Sequence 49, Application US/09988462; Publication No. US20030046726A1; GENERAL INFORMATION: Koziel, Michael G. Desai, Nalini M. Lewis, Kelly S. Kramer, Vance C. Warren, Gregory W. Evola, Stephen V. Crossland, Lyle D. Wright, Martha S. Merilin, Bllis J. Launis, Karen L.
 COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
 PRIOR APPLICATION DATA:
 TITLE OF
 RESULT 1
US-09-988-462-49
 Sequence 61, Appl
Sequence 226, App
Sequence 1449, Ap
Sequence 34, Appl
Sequence 84, Appl
Sequence 84, Appl
 Sequence 2, Appli
Sequence 10, Appl
Sequence 39, Appl
Sequence 51, Appl
 Sequence 49, Appl
Sequence 61, Appl
 June 25, 2003, 13:28:54 ; Search time 21.2789 Seconds (without alignments) 482.732 Million cell updates/sec
 Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.
 Sequence 41,
Sequence 21,
 Sequence 4,
 Sequence 6,
 Published Applications NA:*

1: /cgn2_6/ptodata/1/pubpna/USO7_PUBCOMB.seq:*
2: /cgn2_6/ptodata/1/pubpna/USO7_NEW_PUB.seq:*
3: /cgn2_6/ptodata/1/pubpna/USO6_NEW_PUB.seq:*
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 /cgn2_6/ptodata/1/pubpna/US60_NEW PUB.seq:*/cgn2_6/ptodata/1/pubpna/US60_PUBGOMB.seq:*
 GenCore version 5.1.6 , Copyright (c) 1993 - 2003 Compugen Ltd.
 US-09-816-763-61
US-10-033-145-226
US-10-031-145-1449
US-09-249-155-34
US-09-879-813-84
US-10-146-505-84
 US-09-770-601-4
US-09-770-601-6
US-10-146-058-41
US-10-146-575-21
US-10-145-289-2
 Total number of hits satisfying chosen parameters:
 US-09-988-462-49
 1042519 segs, 733713590 residues
 SUMMARIES
 Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries
 - nucleic search, using sw model
 IDENTITY NUC
Gapop 10.0 , Gapext 1.0
 US-08-770-564A-12
 Length
 1 GCTTCAG 7
 seq length: 0
seq length: 50
 Query
Match
 Score
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APPLICATION NUMBER: US 09/547,422 FILING DATE: 11-APP-2000 APPLICATION NUMBER: US 08/459,504 FILING DATE: 02-JUN-1995 APPLICATION NUMBER: US 07/951,715 PILING DATE: 25-SEP-1992 APPLICATION NUMBER: US 07/772,027

Sequence 79, A Sequence 249, Sequence 250, Sequence 612,

US-09-780-164-249 US-09-780-164-250 US-09-780-164-612 US-09-879-813-51 US-10-041-856-79

100.0

US-09-922-261-10 US-10-146-058-39

8 6 2 1 2 2

Result è

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Sequence 1449, Application US/10033145

Patent No. US200201515A1

GENERAL INPORMATION:
APPLICANT: GENERAL SRINUS
APPLICANT: ROBERTS, BRICE
TITLE OF INVENTION:
FILE REFERENCE: GA0201C
CURRENT FAPLICATION NUMBER: US/10/033,145
CURRENT FILING DATE: 2001-11-05
PRIOR APPLICATION NUMBER: PCT/US99/13800

PRIOR APPLICATION NUMBER: PCT/US99/13800

PRIOR APPLICATION NUMBER: PCT/US99/13800

PRIOR APPLICATION NUMBER: PCT/US99/13800

MUMBER OF SEQ ID NOS: 2137

SOFTWARE: PatentIn version 3.0
 100.0%; Score 7; DB 12; Length 10; 100.0%; Pred. No. 8e+04; ive 0; Mismatches 0; Indels
TITLE OF INVENTION: PREPARATION AND USE OF SUPERIOR VACCINES
 100.0%; Score 7; DB 12; Length 10; 100.0%; Pred. No. 8e+04;
 RESULT 5
US-09-249-155-34/C
US-09-249-155-34/C
Sequence 34, Application US/09249155
Publication No. US20030037345A1
GENERAL INFORMATION:
TITLE OF INVERMION: Compositions and Methods for Wound
TITLE OF INVENTION: Compositions and Methods for Wound
TITLE OF INVENTION: Healing
FILE REFERENCE: 10486.78803
CURRENT APPLICATION NUMBER: US/09/249,155
CURRENT APPLICATION NUMBER: 60/074,737
EARLIER PILING DATE: 1998-02-12
EARLIER FILING DATE: 1998-02-13
EARLIER FILING DATE: 1998-06-26
EARLIER PILING DATE: 1998-08-26
EARLIER PILING DATE: 1998-08-26
EARLIER APPLICATION NUMBER: 60/102,051
EARLIER APPLICATION NUMBER: 60/102,051
 FILE REFERENCE: GA0201C
CURRENT APPLICATION NUMBER: US/10/033,145
CURRENT FILING DATE: 2001-11-05
PRIOR APPLICATION NUMBER: PCT/US99/13800
PRIOR FILING DATE: 1999-06-18
NUMBER OF SEQ ID NOS: 2137
SOFTWARE: Patentin version 3.0
SEQ ID NO 226
 SEQ ID NOS: 254
FastSEQ for Windows Version 3.0
 Query Match 100.
Best Local Similarity 100.
Matches 7; Conservative
 Conservative
 ORGANISM: Homo sapiens
 ORGANISM: Homo sapiens
US-10-033-145-226
 Query Match
Best Local Similarity
 RESULT 4
US-10-033-145-1449/c
 US-10-033-145-1449
 SEQ ID NO 1449
 TYPE: DNA
 LENGTH:
 Matches
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 APPLICANT: Remarcle, Jose
APPLICANT: Renard, Patricia
APPLICANT: Art, Muriel
TITLE OF INVENTION: METHOD AND KIT FOR THE GUANTIFICATION OF TRANSCRIPTIONAL
TITLE OF INVENTION: PATTORS
FILE REPERENCE: VANN212.001AUS
CURRENT APPLICATION NUMBER: US/09/816,763
CURRENT FILING DATE: 2001-03-23
FRIOR PILING DATE: 2000-03-24
RNDMBER OF SEQ ID NOS: 150
SOFTWARE: FastSEQ for Windows Version 4.0
 OTHER INFORMATION: Consensus sequence for transcriptional factor OTHER INFORMATION: ISGF3
 ..
0
 .
 100.0%; Score 7; DB 10; Length 10; 100.0%; Pred. No. 8e+04;
 0; Indels
 Length 10
 0; Indels
 MOLECULE TYPE: other nucleic acid
DESCRIPTION: /desc = "primer C1 - second half"
HYPOTHETICAL: NO
SEQUENCE DESCRIPTION: SEQ ID NO: 49:
US-09-988-462-49
 REPERENCE/DOCKET NUMBER: S-188051
TELECOMMUNICATION INFORMATION:
TELEPHONE: (919) 541-8587
TELEPHONE: (919) 541-8689
INFORMATION FOR SEQ ID NO: 49:
SEQUENCE CHRACTERISTICS:
LENGTH: 10 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
 0; Mismatches
 0; Mismatches
 100.0%; Score 7; 100.0%; Pred. No.
 Sequence 226, Application US/10033145
Patent No. US20020151515A1
 Sequence 61, Application US/09816763
Patent No. US20020110814A1
GENERAL INFORMATION:
 NAME: Meigs, J. Timothy
REGISTRATION NUMBER: 38
 GENERAL INFORMATION:
APPLICANT: GENETYB ERROR
APPLICANT: ROBERTS, BRUCE
APPLICANT: SHANKARA, SRINIVAS.
 TYPE: DNA ORGANISM: Artificial Sequence
 Query Match
Best Local Similarity 100.
Matches 7; Conservative
 7; Conservative
 Query Match
Best Local Similarity
Matches 7; Conserv
 SEQ ID NO 61
LENGTH: 10
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 Sequence 4, Application US/09770601

Patent No. US20020104110A1

GENERAL INFORMATION:

APPLICANT: Lipes, Myra A.

APPLICANT: Chen, Qian

TITLE OF INVENTION: UNGEN THEREOF

FILE REFERENCE: 10276-015002

CURRENT PILING DATE: 2001-01-26

PRIOR APPLICATION NUMBER: 09/127,276

PRIOR APPLICATION NUMBER: 09/127,276

PRIOR APPLICATION NUMBER: 09/054,730

PRIOR PILING DATE: 1999-07-30

PRIOR PILING DATE: 1999-08-05

NUMBER OF SEQ ID NOS: 6

SOFTWARE: PastSEQ for Windows Version 4.0

SEQ ID NO 4

LENGTH: 13
 Length 13;
 Length 13;
 0; Indels
 Sequence 6, Application US/09770601
Patent No. US20020104110A1
GENERAL INFORMATION:
APPLICANT: Lipes, Myra A.
APPLICANT: Chen, Qian
TITLE OF INVENTION: IMMUNOLOGICALLY PRIVILEGED CELLS AND
TITLE OF INVENTION: USES THEREOF
TITLE OF INVENTION: USES THEREOF
CURRENT APPLICATION NUMBER: US/09/770,601
CURRENT FILING DATE: 2001-01-26
 OTHER INFORMATION: F220

COTHER INFORMATION: The sequence TGAGCTCTGTG is deleted US-10-146-505-84
 DB 10; L 7.9e+04;
 DB 9; Le
 Mismatches
 0; Mismatches
 100.0%; Score 7; 100.0%; Pred. No.
 100.0%; Score 7; 100.0%; Pred. No.
 APPLICATION NUMBER: GB 9901141.3
 OTHER INFORMATION: primer for PCR US-09-770-601-4
 ;
0
 PRIOR APPLICATION NUMBER: GB 990
PRIOR FILING DATE: 1999-01-19
PRIOR APPLICATION NUMBER: GB 991
PRIOR FILING DATE: 1999-06-09
NUMBER OF SEQ ID NOS: 127
SOFTWARE: Patentin version 3.1
SEQ ID NO 84
 ORGANISM: Artificial Sequence
 Query Match
Best Local Similarity 100...
7; Conservative
 Query Match
Best Local Similarity 100.
 TYPE: DNA
ORGANISM: Homo sapiens
 NAME/KEY: misc_feature
 1 GCTTCAG 7
 RESULT 9
US-09-770-601-6/c
 LENGTH: 13
 LOCATION:
 TYPE: DNA
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 Score 7; DB 9; Length 13;
Pred. No. 7.9e+04;
 DB 9; Length 11;
8e+04;
 0; Indels
 0; Indels
 NAME/KEY: misc_feature
LOCATION: (8)..(8)
OTHER INFORMATION: F220
OTHER INFORMATION: The sequence TGAGCTCTGTG is deleted
 Sequence 84, Application US/09879813
; Batent No. US20020155453A1
; GENERAL INFORMATION:
APPLICANT: Sale, Julian E.; APPLICANT: Neuberger, Michael S.
APPLICANT: Cumbers, Sarah J.
TITLE OF INVENTION: Method of Generating Diversity
FILE REFRENCE: 18396/2005
CURRENT APPLICATION NUMBER: US/09/879,813
CURRENT PILING DATE: 2001-06-11
; PRIOR FILING DATE: 2001-06-04
; PRIOR FILING DATE: 2001-06-04
; PRIOR FILING DATE: 1999-10-08
; NUMBER OF SEQ ID NOS: 87
; SQ ID NO 84
; LENGTH: IN VERSION 3.1
; TYPE: DNA
ORGANISM: Homo sapiens
 US-10.146-505-84/C

Sequence 84, Application US/10146505

Sequence 84, Application US/10146505

Publication No. US2030108889A1

GENERAL INFORMATION:

APPLICANT: Sale, Julian E.

APPLICANT: Cumberger, Michael S.

TITLE OF INVENTION: Method of Generating Diversity

FILE REFERENCE: 18396/2005B

CURRENT APPLICATION NUMBER: US/10/146,505

CURRENT FILING DATE: 2002-11-18

PRIOR APPLICATION NUMBER: 09/829,717

PRIOR FILING DATE: 2001-04-06

PRIOR APPLICATION NUMBER: PSCT/GB99/03358

PRIOR FILING DATE: 1999-10-08

PRIOR FILING DATE: 1999-10-08

PRIOR FILING DATE: 1999-10-08
 0; Mismatches
 0; Mismatches
 100.0%; Score 7; 100.0%; Pred. No.
 Query Match
Best Local Similarity 100.0%;
Matches 7; Conservative 0,
 Best Local Similarity 100.
Matches 7; Conservative
 TYPE: DNA ORGANISM: Mus musculus
 7 GCTTCAG 1
 RESULT 6
US-09-879-813-84/c
 US-09-249-155-34
 US-09-879-813-84
SEQ ID NO 34
LENGTH: 11
 Query Match
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Gaps
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 100.0%; Score 7; DB 9; Length 15; 100.0%; Pred. No. 7.8e+04;
 Length 14;
 0: Indels
 TITLE OF INVENTION: LENTIVIRAL VECTORS ENCODING CLOTTING TITLE OF INVENTION: FACTORS FOR GENE THERAPY FILE REFRENCE: 131.208U1
CURRENT APPLICATION NUMBER: US/10/145,289
PRIOR APPLICATION NUMBER: 60/291,083
PRIOR APPLICATION NUMBER: 60/291,083
 Score 7; DB 9; L
Pred. No. 7.8e+04;
 APPLICANT: Lichter, Jay
APPLICANT: Guido, Marco
TITLE OF INVENTION: GENOTYPING OF HUMAN CYP3A4
FILE REPERRENCE: SEO-12P
CURRENT APPLICATION NUMBER: US/10/146,575
CURRENT APPLICATION NUMBER: US/09/144,367
PRIOR PILING DATE: 1998-08-31
PRIOR PILING DATE: 1998-08-31
NUMBER OF SEQ ID NOS: 58
SOFTWARE: FastSEQ for Windows Version 3.0
SEQ ID NO 21
 Mismatches
 NUMBER OF SEQ ID NOS: 10
SOFTWARE: FastSEQ for Windows Version 4.0
SEQ ID NO 2
LENGTH: 15
 Sequence 21, Application US/10146575
Publication No. US20030059800A1
GENERAL INFORMATION:
 Sequence 2, Application US/10145289
Publication No. US20030077812A1
GENERAL INFORMATION:
 ;
0
 ;
0
 100.0%;
100.0%;
 DNA (genomic)
 TYPE: DNA ORGANISM: Artificial Sequence
 APPLICANT: James G. McArthur
APPLICANT: Dale John Talbot
APPLICANT: Andrew D. Simmons
APPLICANT: Ryan McGuinness
 7; Conservative
 ; OTHER INFORMATION: primer US-10-145-289-2
 Query Match 100.
Best Local Similarity 100.
Matches 7; Conservative
 Michael Kelly
Lisa V. Tsui
 unknown
 ; TYPE: DNA
; ORGANISM: H. sapiens
US-10-146-575-21
 Query Match
Best Local Similarity
Matches 7; Conserv
 1 GCTTCAG 7
 GCTTCAG 2
 1 GCTTCAG 7
 , MOLECULE TYPE:
, ANTI-SENSE: YF
US-10-146-058-41
 US-10-146-575-21/c
 TOPOLOGY:
 RESULT 12
US-10-145-289-2
 APPLICANT:
APPLICANT:
APPLICANT:
APPLICANT:
APPLICANT:
 LENGTH: 15
 RESULT 11
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 APPLICANT: Schlingensiepen, Georg-Ferdinand
APPLICANT: Schlingensiepen, Karl-Hermann
APPLICANT: Schlingensiepen, Reimar
APPLICANT: Schlingensiepen, Reimar
APPLICANT: Schlingensiepen, Reimar
APPLICANT: Bogdahn, Ulrich
TITLE OF INVENTION: Antisense-oligonucleotides for the treatment of
TITLE OF INVENTION: Antisense-oligonucleotides for the treatment of
TITLE OF SEQUENCES: 137
CORRESPONDENCE ADDRESS:
 ö
 Gaps
 .
0
 Length 13;
 Indels
 ZIP: 20004
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PARENTIN Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/10/146,058
 Query Match 100.0%; Score 7; DB 10; I
Best Local Similarity 100.0%; Pred. No. 7.9e+04;
Matches 7; Conservative 0; Mismatches 0;
 ADDRESSEE: Jacobson, Price, Holman & Stern STREET: 400 Seventh St. N.W. CITY: Washington D.C. COUNTRY: U.S.A.
PRIOR APPLICATION NUMBER: 09/127,276
PRIOR FILING DATE: 1998-07-30
PRIOR PRLING DATE: 1997-08-05
NUMBER OF SEQ ID NOS: 6
SOFTWARE: FastSEQ for Windows Version 4.0
SEQ ID NO 13
 CLASSIFICATION:
PRIOR APPLICATION DATA:
PRIOR APPLICATION DATA:
FILING DATE:
PRIOR APPLICATION DATA:
ATTORNEY/AGENT INFORMATION:
 NAME: Player, William E.
REGISTRATION NUMBER: 31,409
REFERENCE/DOCKET NUMBER: 10577/P58418
TELECOMMUNICATION INFORMATION:
TELEPHONE: (202) 538-666
TELEFAX: (202) 393-5350
 Sequence 41, Application US/10146058 Publication No. US20030040499A1 GENERAL INFORMATION:
 ; OTHER INFORMATION: primer for PCR
US-09-770-601-6
 TELEFAX: (202) 393-2224
TELEX: RCA 248593 IDEA UR
INFORMATION FOR SEQ ID NO: 41:
SEQUENCE CHARACTERISTICS:
LENGTH: 14 base pairs
TYPE: nucleic acid
 TYPE: DNA ORGANISM: Artificial Sequence
 FEATURE:
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 100.0%; Score 7; DB 9; Length 16; 100.0%; Pred. No. 7.8e+04; tive 0; Mismatches 0; Indels
 Query Match . 100.0%; Score 7; DB 9; Length 17; Best Local Similarity 100.0%; Pred. No. 7.8e+04; Matches 7; Conservative 0; Mismatches 0; Indels
 Sequence 51, Application US/09879813

Fatent No. US2020155453A1

Fatent No. US2020155453A1

GENERAL INFORMATION:

APPLICANT: Sale, Julian E.

APPLICANT: Cumberger, Michael S.

APPLICANT: Cumberger, Michael S.

TITLE OF INVENTION: Method of Generating Diversity

FILE REFERENCE: 18396/2005

CURRENT FILING DATE: 2001-06-11

PRIOR APPLICATION NUMBER: 09/828,717

FRIOR APPLICATION NUMBER: 09/828,717

PRIOR FILING DATE: 1999-10-06-11

PRIOR FILING DATE: 1999-10-06

NUMBER OF SEQ ID NOS: 87

SEQ ID NO 51

LENGTH: 17

THENDER OF SEQ ID NOS: 87

LENGTH: 17

THENDER OF SEQ ID NOS: 87

LENGTH: 17
 REFERENCE/DOCKET NUMBER: 31,409
REFERENCE/DOCKET NUMBER: 10577/P58418
TELECOMMUNICATION INPORMATION:
TELEPHONE: (202) 638-666
TELEFAX: (202) 33-5350
TELEX: RCA 248593 IDEA UR
INFORMATION FOR SEQ ID NO: 39:
SEQUENCE CHARACTERISTICS:
LENGTH: 16 base pairs
TYPE: nucleic acid
STRANDEDNESS: ...
 PRIOR APPLICATION DATA:
APPLICATION NUMBER: EP 93 107 089.0
FILING DATE: 30-APR-1993
PRIOR APPLICATION DATA:
APPLICATION NUMBER: EP 93 107 849.7
FILING DATE: 13-WAY-1993
ATTONNEY, AGENT INFORMATION:
NAME: PLAYER, WILLIAM E.
REGISTRATION NUMBER: 31,409
 PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/535,249
FILING DATE:
 TOPOLOGY: unknown
MOLECULE TYPE: DNA (genomic)
 Best Local Similarity 100.
Matches 7; Conservative
 TYPE: DNA ORGANISM: Homo sapiens
 NAME/KEY: misc_feature
 RESULT 15
US-09-879-813-51/c
 ANTI-SENSE:
 US-10-146-058-39
 Query Match
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 RESULT 14

US-10-146-058-39/C

Sequence 39, Application US/10146058

Publication No. US2000040499A1

GENERAL INFORMATION:
APPLICANT: Schlingensiepen, Karl-Hermann
APPLICANT: Schlingensiepen, Rain-Hermann
APPLICANT: Schlingensiepen, Reimar
APPLICANT: Schlingensi
 JAPPLICANT: COCENT NEUROSCIENCE, Inc.
APPLICANT: COCENT NEUROSCIENCE, Inc.
APPLICANT: Cocent Neuroscience, Shawn
APPLICANT: Thomas Mary Beth
APPLICANT: Thomas Mary Beth
APPLICANT: Purnam, Kasturi
APPLICANT: Ratz, Lawrence
APPLICANT: AND TREATING CONDITIONS, DISORDERS, OR DISEASES INVOLVING
TITLE OF INVENTION: CELL DEATH
FILE OF INVENTION NUMBER: US/09/922,261
CURRENT APPLICATION NUMBER: US/09/461,697
PRIOR APPLICANTON NUMBER: US/09/461,697
PRIOR PLING DATE: 1999-12-14
NUMBER OF SEQ ID NOS: 466
SEQ ID NO 10
LENGTH: 15
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 Query Match
100.0%; Score 7; DB 10; Length 15;
Best Local Similarity 100.0%; Pred. No. 7.8e+04;
Matches 7; Conservative 0; Mismatches 0; Indels
 100.0%; Score 7; DB 9; Length 15; 100.0%; Pred. No. 7.8e+04;
 Indels
 0; Mismatches
 CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/10/146,058
FILING DATE:
 Sequence 10, Application US/09922261
Patent No. US20020111471A1
GENERAL INFORMATION:
Query Match
Best Local Similarity 100.00
Tr Conservative
 ; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-922-261-10
 9 GCTTCAG 15
 1 GCTTCAG 7
 1 GCTTCAG 7
 11 GCTTCAG 5
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17 GCTTCAG 11

Search completed: June 25, 2003, 22:25:08 Job time: 21.2789 secs

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June 24, 2003, 22:17:30 ; Search time 22.7689 Seconds (without alignments) 202.036 Million cell updates/sec
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 609818
 GenCore version 5.1.6
Copyright (c) 1993 - 2003 Compugen Ltd.
 S-08-330-123A-23
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S-08-660-678A-23
S-08-485-778-19
S-08-485-778-19
S-08-420-550A-19
S-08-998-443-23
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S-09-960-523-23
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3-08-833-377-6
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S-09-580-517-23
S-08-770-565-26
S-08-770-565-8
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 US-08-957-310-16
US-08-630-172-22
 441362 segs, 153338381 residues
 SUMMARIES
 Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries
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 IDENTITY_NUC
Gapop 10.0 , Gapext 1.0
 US-08-770-564A-10
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1 GCTCTAGAATGAACG 15
 Query
Match Length
 seq length: 0
seq length: 50
 Title:
Perfect score:
 Scoring table:
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 Minimum DB
Maximum DB
 Sequence:
 Searched:
 Database
 Run on:
 Result
No.
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Appli
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 Gaps
 APPLICANT: Kin, Nam Woo
APPLICANT: Kin, Nam Woo
APPLICANT: Wu, Fred
APPLICANT: Wu, Fred
APPLICANT: Wu, Fred
APPLICANT: Pruzan, Ronald
APPLICANT: Pruzan, Ronald
APPLICANT: Weinrich, Scott L.
TITLE OF INVENTION: Telomerase
NUMBER OF SEQUENCES: 25
CORRESPONDENCE ADDRESS:
ADDRESSEE: TOWNSEND and TOWNSEND and CREW LLP
STREET: TWO Embarcadero Center, 8th Floor
CITY: San Francisco
 Seguence
Seguence
Seguence
Seguence
 Sequence
Sequence
Sequence
Sequence
Sequence
 Sequence
Sequence
Sequence
 Sequence ,
 Sequence
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Sequence
 ö
 100.0%; Score 15; DB 2; Length 15; 100.0%; Pred. No. 7.8; tive 0; Mismatches 0; Indels
 COUNTRY: USA
ZIP: 94111-3834
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/770,565
FILING DATE: 20-DEC-1996
CLASSIFICATION: 435
ATTONNEY/AGENT INFORMATION:
NAME: Storella, John R.
REGISTRATION NUMBER: 32,944
REFERENCE/POCKET VUMBER: 32,944
REFERENCE/POCKET VUMBER: 32,944
RELEPHONE: 415-576-0200
TELEPRATION FOR SEO ID NO: 10:
SEQUENCE CHARACTERISTICS:
TENGRATION FOR SEO ID NO: 10:
US-09-375-419-22
US-08-395-800A-12
US-08-349-813-2
PCT-US96-05291A-2
US-08-349-006-3
PCT-US94-02107-3
US-09-258-257-3
US-09-258-371-3
US-09-499-082-3
US-09-258-371-4
 ALIGNMENTS
 Sequence 10, Application US/08770565
Patent No. 5846723
GENERAL INFORMATION:
 Query Match
Best Local Similarity 100.0
Matches 15; Conservative
 TYPE: nucleic acid
STRANDEDNESS: single
 California
7: USA
 ; TOPOLOGY: linear; MOLECULE TYPE: DNA US-08-770-565-10
 US-08-770-565-10
 STATE: C
```

1 GCTCTAGAATGAACG 15

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```
Sequence 23.776679
GENERAL INFORMATION:
APPLICANT: Villeponteau, Bryant
APPLICANT: Funk, Walter
APPLICANT: Funk, Walter
APPLICANT: Andrews, William H.
TITLE OF INVENTION: Assays for the RNA Component of Human
TITLE OF INVENTION: Telomerase
NUMBER OF SEQUENCES: 40
 DB 1; Length 26;
 Indels
 STAIL.

COUNTRY: USA

ZIP: 9411.3834

ZIP: 9411.3834

COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
COMPUTER: BEN PC compatible
SOFTWARE: Patentin Release #1.0, Version #1.30

CURREMY APPLICATION DATA:
APPLICATION NUMBER: US/08/482,115B

TITING DATE: 07-UN-1995
 MEDIUM IIEE FIGHER COMPUTER:

COMPUTER: IBM PC Compatible OPERATING SYSTEM: PC-DOS/MS-DOS SOFTWARE: Patentin Release #1.0, Version #1.25 SOFTWARE: Patentin Release #1.0, Version #1.25 CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/08/330,123A FILING DATE: 27-OCT-1994
CLASSIFICATION: 435
PRIOR APPLICATION DATA: APPLICATION NUMBER: US 08/272,102
FILING DATE: 07-JUL-1994
ATTORNEY/AGENT INFORMATION:
NAME: Smith, William M REFRENCE/POCKET NUMBER: 30,223
REFRENCE/POCKET NUMBER: 31,223
REFRENCE/POCKET NUMBER: 326-2400
TELEPHONE: (415) 326-2400
 CORRESPONDENCE ADDRESS:
ADDRESSEE: Townsend and Townsend and Crew LLE STREET: Two Embarcadero Center, Eighth Floor CITY: San Francisco STATE: California
 100.0%; Score 15; 100.0%; Pred. No.
 FILING DATE: 435
CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/272,102
APPLICATION NUMBER: 07-ULL-1994
 PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/330,123
 ö
 1 GCTCTAGAATGAACG 15
 Floppy disk
 TELEFAX: (415) 326-2422 INFORMATION FOR SEQ ID NO: 2 SEQUENCE CHARACTERISTICS: LENGTH: 26 base pairs
 Query Match
Best Local Similarity 100.
Marches 15; Conservative
 TYPE: nucleic acid
STRANDEDNESS: single
 ZIP: 94301
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy
California
 RESULT 4
US-08-482-115B-23
 US-08-330-123A-23
 g
 ò
 APPLICANT: Kealey, James T.
APPLICANT: Pruzan, Ronald
APPLICANT: Weinrich, Scott L.
TITLE OF INVENTION: Methods for Detecting the RNA Component of
TITLE OF INVENTION: Telomerase
NUMBER OF SEQUENCES: 26
CORRESPONDENCE ADDRESS:
 ö
 100.0%; Score 15; DB 2; Length 19; 100.0%; Pred. No. 7.9;
 CORRESPONDENCE ADDRESS:
CORRESPONDENCE ADDRESS:
ADDRESSEE: TOWNSEND and CREW LLP
STREET: Two Embarcadero Center, 8th Floor
CITY: San Francisco
STATE: California
COUNTRY: USA
ZIP: 94111-3834

ZIP: 94111-3834

COMPUTER: USA
ZIP: 94111-3834

COMPUTER: ISM PC COMPATIBLE
COMPUTER: ISM PC COMPATIBLE
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/770,565
FILING DATE: 20-DEC-1996
CLASSIFICATION: 435
ATTORNEY/AGENT INFORMATION:
NAME: Storella, John R.
REGISTRATION NUMBER: 32,944
REFERENCE/POCKET NUMBER: 32,944
REFERENCE/POCKET NUMBER: 165000
 Mismatches
 Sequence 23, Application US/08330123A Patent No. 5583016
 Sequence 9, Application US/08770565
Patent No. 5846723
 ö
 100.0%;
 1 GCTCTAGAATGAACG 15
 1 GCTCTAGAATGAACG 15
 TELEPHONE:
TELEPAST 415-576-0300
INFORMATION FOR SEQ ID NO:
SEQUENCE CHARACTERISTICS:
LENGTH: 19 base pairs
 Query Match 100.
Best Local Similarity 100.
Matches 15; Conservative
 Kim, Nam Woo
Wu, Fred
 TYPE: nucleic acid
STRANDEDNESS: sing
 TOPOLOGY: linear;
MOLECULE TYPE: DNA
US-08-770-565-9
 CITY: Palo Alto
 GENERAL INFORMATION:
 US-08-330-123A-23
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Gaps
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0
 DB 2; Length 26;
 Indels
 ZIP: 94111-3834
COMPUTER READABLE FORM:
MEDTUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
COMPUTER: IBM PC compatible
COMPUTER: DAYSTEM: PC-DOS/MS-DOS
SOFFWARE: Patentin Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/710,249
FILING DATE: 13-SEP-1996
CLASSIFICATION: 536
 SSEE: Townsend and Townsend and Crew LLP F. Two Embarcadero Center, Eighth Floor San Francisco California
 015389-001220US
 100.0%; Score 15; DB
100.0%; Pred. No. 8;
Live 0; Mismatches
 Mismatches
 Score 15; D
 PRICE APPLICATION DATA:
APPLICATION NUMBER: US 08/583,808
FILING DATE: 05-JAN-1996
PRICH APPLICATION DATA:
APPLICATION NUMBER: US 60/003,492
FILING DATE: 08-SEP-1995
ATTORNEY/AGENT INFORMATION:
NAME: Storella, John R.
REGISTATION NUMBER: 32,944
REFERENCE/DOCKET NUMBER: 015389-0012
TELECOMMUNICATION INFORMATION:
 RESULT 7
US-08-485-778-19
; Sequence 19, Application US/08485778
 o,
 100.0%;
 (415) 576-0200
 5 GCTCTÁGAÁTGAÁCG 19
 TELEFAX: (415) 576-0300
INFORMATION FOR SEQ ID NO: SEQUENCE CHARACTERISTICS:
 Query Match 100.
Best Local Similarity 100.
Matches 15; Conservative
 Query Match 100.
Best Local Similarity 100.
Matches 15; Conservative
 26 base pairs
 ; MOLECULE TYPE: DNA
US-08-710-249-26
 linear
 USA
 US-08-660-678A-23
 COUNTRY:
 STREET:
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 Gaps
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 Score 15; DB 1; Length 26; Pred. No. 8;
 Indels
 STAIL.

COUNTRY: USA
ZIP: 9411-3834

COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
OPERATING SYSTEM: PC-DOS/MS-DOS
CURRENT APPLICATION DATA:
CURRENT APPLICATION UNUBER: US/08/660,678A
FILING DATE: OS-JUN-1996
FILING DATE: OS-JUN-1996
FILING DATE: OS-JUN-1996
 ö
 E: Townsend and Townsend and Crew LLP
Two Embarcadero Center, Eighth Floor
 NAME: Storella, John R.
REGISTRATION NUMBER: 32,944
REFERENCE/DOCKET NUMBER: 015389-000830US
TELECOMMUNICATION INPORMATION:
TELEPHONE: (415) 576-0200
TELEPAX: (415) 576-0300
INPORMATION FOR SEQ ID NO: 23:
SEQUENCE CHARACTERISTICS:
LENGTH: 26 base pairs
 NAME: Storella, John R.
REGISTRATION NUMBER: 32,944
REFERENCE/DOCKET NUMBER: 015389-000811US
TELECOMMUNICATION INFORMATION:
TELEPRAN: (415) 576-0200
INFORMATION FOR SEQ ID NO: 23: SEQUENCE CHARACTERISTICS:
 0; Mismatches
 GENERAL INFORMATION:
APPLICANT: Villeponteau, Bryant
APPLICANT: Feng, Junil
APPLICANT: Funk, Walter
APPLICANT: Andrews, William H.
TITLE OF INVENTION: Mammalian Telomerase
NUMBER OF SEQUENCES: 30
CORRESPONDENCE ADDRESS:
 FILING DATE: 05-UN-1996
CLASSIFICATION: 435
PRIOR APPLICATION 1935
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/330,123
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/272,102
FILING DATE: 07-UL-1994
ATTORNEY/AGENT INFORMATION:
 Sequence 23, Application US/08660678A
Patent No. 5837857
 Query Match
Best Local Similarity 100.0%;
Matches 15; Conservative 0
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FILING DATE: 27-OCT-1994
ATTORNEY/AGENT INFORMATION:
NAME: Storella, John R.
 26 base pairs
 TYPE: nucleic acid
STRANDEDNESS: single
 TYPE: nucleic acid
STRANDEDNESS: single
 San Francisco
California
 linear
 MOLECULE TYPE: DNA
 linear
 MOLECULE TYPE:
 ADDRESSEE:
 US-08-482-115B-23
 US-08-660-678A-23
 ropology:
 STREET:
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ö
 100.0%; Score 15; DB 2; Length 26; 100.0%; Pred. No. 8;
 Indels
 E: Hamilton, Brook, Smith & Reynolds, P.C.
Two Militia Drive
 CURRENT APPLICATION DATA:

CURRENT APPLICATION DATA:

APPLICATION NUMBER:

FILING DATE:

PRIOR APPLICATION NUMBER:

PRIOR APPLICATION NUMBER:

RILING DATE:

O7-JUL-1994

PRIOR APPLICATION NUMBER:

FILING DATE:

APPLICATION NUMBER:

REGISTRATION NUMBER:

APPLICATION NUMBER:

RAPHICATION NUMBER:

RAPHICATION NUMBER:

RAPHICATION NUMBER:

REGISTRATION NUMBER:

NAME:

REGISTRATION NUMBER:

REGISTR
 SOFTWARE: Patentin Release #1.0, Version #1.30 CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/520,550A FILING DATE: 29-AUG-1995
 APPLICANT: Villeponteau, Bryant
TITLE OF INVENTION: RNA COmponent of Telomerase
NUMBER OF SEQUENCES: 47
CORRESPONDENCE ADDRESS:
 REFERENCE/DOCKET NUMBER: 15389-000820
TELECOMMUNICATION:
TELEPHONE: (415) 576-0200
 COUNTRY: US
ZIP: 02173
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
 Andrews, William H.
Avilion, Ariel A.
Feng, Junli
Funk, Walter
Greider, Carol
Marhuenda, Maria A. B.
 Sequence 19, Application US/08520550A Patent No. 6013468
 ö
 IBM PC compatibl
 1 GCTCTAGAATGAACG 15
 TELEFAX: (415) 576-0300
INFORMATION FOR SEQ ID NO: 2
SEQUENCE CHARACTERISTICS:
 15; Conservative
 ZIP: 94111-3834
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy di
COMPUTER: IBM PC compdi
COMPUTER: PROPERTING SYSTEM: PC-I
 26 base pairs
 California
 Query Match
Best Local Similarity
Matches 15; Conserv
 MOLECULE TYPE: DNA US-08-472-802C-24
 STREET: Two man
 STRANDEDNESS:
 ADDRESSEE:
 RESULT 9
US-08-520-550A-19
 STATE: MA
 APPLICANT:
APPLICANT:
APPLICANT:
 APPLICANT:
APPLICANT:
 APPLICANT:
 COUNTRY:
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 100.0%; Score 15; DB 2; Length 26; 100.0%; Pred. No. 8;
 COMPUTER READABLE FORM:
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
SOFTWARE: Patentin Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/485,778
FILING DATE: 107-195
CLASSIFICATION NUMBER: US 08/387,524
FILING DATE: 13-FEB-1995
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/330,123
FILING DATE: 27-OCT-1994
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/330,123
FILING DATE: 27-OCT-1994
PRIOR APPLICATION DATA:
APPLICATION DATA:
ATTORNEY/AGENT INFORMATION:
 NUMBER OF SEQUENCES: 45
CORRESPONDENCE ADDRESS:
ADDRESSEE: Hamilton, Brook, Smith & Reynolds, P.C.
 APPLICANT: Feng, Junia.
APPLICANT: Funk, Walter
APPLICANT: Greider, Carol
APPLICANT: Marhuenda, Maria Antonia Blasco
APPLICANT: Villeponteau, Bryant
TITLE OF INVENTION: RNA COMPONENT OF TELOMERASE
 ADDRESSEE: Townsend and Townsend and Crew LLP STREET: Two Embarcadero Center, Eighth Floor
 Mismatches
 Sequence 24, Application US/08472802C
Patent No. 5958680
GENERAL INFORMATION:
APPLICANT: Villeponteau, Bryant
APPLICANT: Feng, Junil
APPLICANT: Feng, Junil
APPLICANT: Andrews, William H.
TITLE OF INVENTION: Mammalian Telomerase
 REGISTRATION NUMBER: 32,227
REGISTRATION NUMBER: 32,227
REFERENCE/DOCKET NUMBER: CSHL94-05A4
TELECOMMUICATION INFORMATION:
TELEPHONE: 617-861-6240
INFORMATION FOR SEQ ID NO: 19:
SEQUENCE CHARACTERISTICS:
LENGTH: 26 base pairs
 Andrews, William H.
Avilion, Ariel Athena
Feng, Junil
Funk, Walter
Greider, Carol
 .;
0
 Two Militia Drive
 Granahan, Patricia
 Conservative
 NUMBER OF SEQUENCES: 44
CORRESPONDENCE ADDRESS:
 TYPE: nucleic acid
STRANDEDNESS: single
 linear
 Query Match
Best Local Similarity
Matches 15; Conserv
 STREET: Iwo ...
Patent No. 5876979
 US-08-472-802C-24
 ; TOPOLOGY:
US-08-485-778-19
 STATE: MU
COUNTRY:
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Gaps
 ö
 100.0%; Score 15; DB 3; Length 26; 100.0%; Pred. No. 8; cive 0; Mismatches 0; Indels
 GENERAL INFORMATION:

APPLICANT: Cech, Thomas R.

APPLICANT: Linguer, Joachim

APPLICANT: Linguer, Joachim

APPLICANT: Chapman, Karen B.

APPLICANT: Morin, Gregg B.

APPLICANT: Morin, Gregg B.

APPLICANT: Andrews, William H.

TITLE OF INVENTION: Human Telomerase Catalytic Subunit

NUMBER OF SEQUENCES: 727

CORRESPONDENCE ADDRESS:
 CURRENT APPLICATION DATA:

APPLICATION NUMBER: WE CANDED TO CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/08/974,549A
FILING DATE: 19-NOV-1997
CLASSIFICATION DATA:

APPLICATION NUMBER: US 08/724,643
FILING DATE: 01-OCT-1996
FRIOR APPLICATION DATA:

APPLICATION NUMBER: US 08/844,419
FRIOR APPLICATION DATA:

APPLICATION NUMBER: US 08/846,017
FILING DATE: 18-APR-1997
FRIOR APPLICATION NUMBER: US 08/851,843
FILING DATE: 25-APR-1997
FRIOR APPLICATION NUMBER: US 08/851,843
FILING DATE: 05-MAY-1997
FRIOR APPLICATION NUMBER: US 08/851,843
FILING DATE: 05-MAY-1997
FRIOR APPLICATION NUMBER: US 08/851,312
FILING DATE: 05-MAY-1997
FRIOR APPLICATION NUMBER: US 08/911,312
FILING DATE: 14-AUG-1997
FRIOR APPLICATION NUMBER: US 08/911,312
FRIUNG APPLICATION NUMBER: US 08/912,951
FRIUNG APPLICATION DATA:

APPLICATION NUMBER: US 08/912,951
FRIUNG APPLICATION DATA:
 ADDRESSEE: Townsend and Townsend and Crew LLP STREET: Two Embarcadero Center, Eighth Floor CITY: San Francisco STARE: California COUNTRY: USA ZIP: 94111-3834 COMPUTER READABLE FORM: MEDIUM TYEE: Floppy disk COMPUTER: IBM PC compatible OPERATING SYSTEM: PC-DOS/MS.DOS
 red. No. 8;
Mismatches
 Sequence 598, Application US/08974549A Patent No. 6166178
 TELEPHONE: (415) 576-0200
TELEPAX: (415) 576-0300
INPORMATION FOR SEQ 1D NO: 23:
SEQUENCE CHARACTERISTICS:
LENGTH: 26 Dase pairs
TYPE: nucleic acid
STRANDEDNESS; single
 TELECOMMUNICATION INFORMATION:
 1 GCTCTAGAATGAACG 15
 Query Match
Best Local Similarity 100.
Matches 15; Conservative
 linear
 TOPOLOGY: linear MOLECULE TYPE: DNA
 US-08-974-549A-598
 US-08-998-443-23
 a
 ö
 100.0%; Score 15; DB 3; Length 26; 100.0%; Pred. No. 8;
 0; Indels
 APPLICANT: Villeponteau, Bryant
APPLICANT: Villeponteau, Bryant
APPLICANT: Feng, Junii
APPLICANT: Funk, Walter
APPLICANT: Andrews, William H.
TITLE OF INVENTION: Mammalian Telomerase
NUMBER OF SEQUENCES: 30
CORRESPONDENCE ADDRESS:
ADDRESSEE: Townsend and Townsend and Crew LLP
STREET: Two Embarcadero Center, Bighth Floor
CITY: San Francisco
STATE: California
 SOFTWARE: Patentin Release #1.0, Version #1.30 CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/998,443
 PRIOR APPLICATION DATA:

APPLICATION NUMBER: US 08/387,524
FILING DATE: 13-FEB-1995
PRIOR APPLICATION DATA:

APPLICATION NUMBER: US 08/330,123
FILING DATE: 27-OCT-1994
PRIOR APPLICATION DATA:

PRIOR APPLICATION NUMBER: US 08/272,102
FILING DATE: 07-JUL-1994
ATTORNEY/ABRIT INFORMATION:

REGISTRATION NUMBER: 32,227
REFERENCE/DOCKET NUMBER: CSHL94-05A3B
TELECOMMUNICATION INFORMATION:

TELEPAX: 617-861-6240
INFORMATION POR SEQ ID NO: 19:

SEQUENCE CHARACTERISTICS:

LENGTH: 26 Dase pairs

TERIORY: 126 Dase pairs

TERIORY: 126 Dase pairs

TERIORY: 126 Dase pairs

TERIORY: 126 Dase pairs

TOPOLOGY: 11near
 0; Mismatches
 REFERENCE/DOCKET NUMBER: 015389-000811US
 CLASSPICATION:
CLASSPICATION:
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US/08/660,678
FILING DATE: 05-JUN-1996
APPLICATION NUMBER: US 08/330,123
FTI-TING DATE: 27-OCT-1994
 FILING DATE: 27-OCT-1994
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/272,102
FILING DATE: 07-JUL-1994
ATTORNEY/AGENT INFORMATION:
 COUNTRY: USA
ZIP: 94111-3834
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
 Sequence 23, Application US/08998443
Patent No. 6054575
GENERAL INFORMATION:
 NAME: Storella, John R. REGISTRATION NUMBER: 32,944
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 Query Match
Best Local Similarity 100.0
Matches 15; Conservative
CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 1
 FILING DATE:
 ;
TOPOLOGY:
US-08-520-550A-19
 JS-08-998-443-23
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GENERAL INFORMATION:
APPLICANT: Villeponteau, Bryant
APPLICANT: Feng, Junil
APPLICANT: Andrews, William H.
APPLICANT: Adams, Robert R.
TITLE OF INVENTION: Methods and Reagents for Regulating
TITLE OF INVENTION: Telomere Length and Telomerase Activity
NUMBER OF SEQUENCES: 26
CORRESPONDENCE ADDRESS:
ADDRESSEE: Townsend and Townsend and Crew LLP
STREET: Two Behaccadero Center, Bighth Floor
CITY: San Francisco
 Indels
 SOFTWARE: Patentin Release #1.0, Version #1.30 CURRENT APPLICATION DATA:
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FILING DATE: 08-SEP-1995
ATTORNEY/AGENT INFORMATION:
 STATE: California
COUNTRY: USA
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COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
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; Sequence 26, Application US/09220157A
; Patent No. 6300110
 NAME: Storella, John R.
REGIETRATION UNUMBER: 32,944
REFERENCE/DOCKET NUMBER: 01536
TELECOMMUNICATION INFORMATION:
TELEPAX: (415) 576-0200
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INFORMATION FOR SEQ ID NO: 23:
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STRANDEDNESS: single
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TELECOMMUNICATION INFORMATION:
 (415) 576-0200
 5 GCTCTAGAATGAACG 19
ATTORNEY/AGENT INFORMATION:
 TELEFAX: (415) 576-0300
INFORMATION FOR SEQ ID NO: 2
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 NAME: Storella, John R
REGISTRATION NUMBER: 33
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 TOPOLOGY: linear MOLECULE TYPE: DNA US-09-060-523-23
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FILING DATE: 05-JUN-1996
PRIOR APPLICATION NUMBER: US 08/330,123
APPLICATION NUMBER: US 08/330,123
FILING DATE: 27-OCT-1994
PRIOR APPLICATION NUMBER: US 08/272,102
FILING DATE: 07-JUL-1994
 STREET: Townsend and Townsend and Crew LLP STREET: Two Embarcadero Center, Eighth Floor CITY: San Francisco CITY: San Francisco COUNTRY: USA
 FILING DATE: 14-AUG-1997
PRIOR APPLICATION DATA:
APPLICATION NUMBER: WO PCT/US97/17618
FILING DATE: 01-OCT-1997
PRIOR APPLICATION NUMBER: WO PCT/US97/17685
FILING DATE: 01-OCT-1997
ATTORNEY/AGENT INFORMATION:
NAME: APPLE Randolph Ted
REFERENCE/DOCKET NUMBER: 36,429
REFERENCE/DOCKET NUMBER: 015389-002610US
TELEPHONE: (415) 576-0200
TELEPHONE: (415) 576-0200
TELEPHONE: (415) 576-0200
INFORMATION FOR SEQ ID NO: 598:
SEQUENCE CHARACTERISTICS:
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TYPE: nucleic acid
STRANDEDNESS: single
 Sequence 23, Application US/09060523
Patent No. 6258535
GENERAL INFORMATION:
APPLICANT: Villeponteau, Bryant
APPLICANT: Feng, Junii
APPLICANT: Funk, Walter
APPLICANT: Andreww. William H.
TITLE OF INVENTION: Mammalian Telomerase
NUMBER OF SEQUENCES: 25
CORRESPONDENCE ADDRESS:
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 NAME/KEY: -
LOCATION: 1..26
OTHER INFORMATION: /note= "R3c primer"
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 ATTORNEY/AGENT INFORMATION:
NAME: Smith, William M
REGISTATION NUMBER: 30,223
REFENCE/DOCKET NUMBER: 15389-000810
TELECOMMUNICATION INFORMATION:
TELEPHONE: (415) 326-2400
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 TELEPHONE: (415) 326-2400
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Best Local Similarity 100.
Matches 15; Conservative
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 FENG. Junia
FUNK, Walter
ANDREWS, William H.
TITLE OF INVENTION: HUMAN TELCMERASE
NUMBER OF SEQUENCES: 25
CORRESPONDENCE ADDRESS:
ADDRESSES: Townsend and Townsend Khourie and Crew
STREET: 379 Lytton Avenue
CITY: Palo Alto
STREET: USA
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SOFTWARE: Patentin Release #1.0, Version #1.25
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| Patent No. 6300131
| GENERAL INFORMATION: APPLICANT: Johns Hopkins University APPLICANT: Johns Hopkins University APPLICANT: Le, Siyuan | TITLE OF INVERTYON: TELOMERASE-ASSOCIATED PROTEINS; FILE REFERENCE: 07265/157001
| CURRENT PLING DATE: 1999-04-06 | PRIOR PLING DATE: 1999-04-06 | PRIOR PLING DATE: 1998-04-06 | PRIOR PLING DATE: 1998-04-06 | PRIOR FILING DATE: 1998-04-06 | PRIOR FI
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FILING DATE: 25-May-2000
CLASSIFICATION: <Unknown>
 APPLICANT: VILLEPONTEAU, Bryant
 Sequence 23, Application US/09580517
Patent No. 6320039
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US-09-220-157A-26
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 Contact: Robert B. Weiss
University of Utah Genome Center
University of Utah
Rm. 308, Biomedical Polymers Research Bldg., 20 S. 2030 E., SLC,
84112, USA
 AU258962 AU258962
 Mouse whole genome scaffolding with paired end reads from 10kb plasmid inserts Unpublished (2000)
 Tel: 801 585 5606
Fax: 801 585 7177
Email: ddunn@genetics.utah.edu
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(c) 1993 - 2003 Compugen Ltd.
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(bases 1 to 34)
Satch,N., Satou,Y., Kohara,Y. and Shin-i,T.

Expressed genes in Ciona intestinalis
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Barrell, Oxford University Press, 1999).
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Fax: 81-75-705-1113
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 Contact: Nori Satoh
Department of Zoology
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Rockville, MD. Genomic DNA isolated from a cloned population of
Trypanosoma brucei (TREUS2/4 GUTHA 10.1) was mechanically sheared
to give a tight size distribution (
4 kb). The v + i method used for the library construction is
described in detail in Smith, H. and Venter, J.C. (Making small
insert libraries for whole genome shotgun sequencing projects. In
Genome Sequencing: A Practical Approach, eds. M. Vaudin and B.
 Submitted (10-DEC-2000) Trypanosoma brucei genome sequencing project, Sanger Centre, The Wellcome Trust Genome Campus, Hinxton, Cambridge CB10 1SA, E-mail: barrell@sanger.ac.uk and
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T. brucei sheared genomic DNA clone 264g10, reverse sequence,
 Hall, N., Bowman, S., Lennard, N.J., Doggett, J., Atkin, R., Chillingworth, C., Ormond, D., Harris, B., El-Sayed, N., Hou, L., Melville, S.E., Rajandream, M.A. and Barrell, B.G.
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JOURNAL
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 FEATURES
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Gaps

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TITLE

COMMENT

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Subtraction by Bento Soares and M. Fatima Bonaldo. "
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 CDNA Library Preparation: M. Bento Soares, Ph.D. CDNA Library Arrayed by: Greg Lennon, Ph.D. DNA Sequencing by: Washington University Genome Sequencing Center Clone distribution: NCI-CGAP clone distribution information can be found through the I.M.A.G.E. Consortium/LLNL at:

www-bio.llnl.gov/bbrp/image/image.html
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High quality sequence stop: 1.
 Email: cgapbs-r@mail.nih.gov
Tissue Procurement: Ilan Kirsch, M.D., Michael R. Emmert-Buck, M.D.
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NCI-CGAP http://www.ncbi.nlm.nih.gov/ncicgap.
National Cancer Institute, Cancer Genome Anatomy Project (CGAP),
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Unpublished (1997)
Contact: Robert Strausberg, Ph.D.
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 Arabidopais thaliana

Arabidopais thaliana

Bukaryota; Viridiplantae; Streptophyta; Embryophyta; Tracheophyta;

Bukaryota; Viridiplantae; Streptophyta; Embryophyta; Tracheophyta;

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Rosidae; eurosida II; Brassicales; Brassicacea; Arabidopsis.

I (bases 1 to 49)

Alonov, J.M.; Leisse, J.J.; Barajas, P., Chen, H., Cheuk, R., Gadrinab, C., Jeske, A., Karnes, M., Kim, C.J.; Parker, H., Prednis, L., Shinn, P., Zimmerman, J. and Ecker, J.R.;

A Sequence-Indexed Library of Insertion Mutations in the Arabidopsis Genome

Unpublished (2001)

L Contact: Joseph R. Ecker

Salk Institute Genomic Analysis Laboratory (SIGNAL)

The Salk Institute for Biological Studies

10010 N. Tortey Pines Road, La Jolla, CA 92037, USA

Tel: 858 453 4100 x1752
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Kato, K. and Matoba, R. Generation of expressed sequence tags from mouse brain Unpublished (2002)
Contact: Kikuya Kato
Graduate School of Biological Sciences
Nara Institute of Science and Technology
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 Email: ecker@salk.edu
 Tel: 81-743-72-5581
Fax: 81-743-72-5589
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The Salk Institute for Biological Studies
 ecker@salk.edu
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 ENGANCY MATERIALS CHORDATA; Craniata; Vertebrata; Enteleostomi; Bukaryota; Metazoa; Chordata; Craniata; Vertebrata; Enteleostomi; Hammalia; Eutheria; Rodentia; Sciurognathi; Muridae, Murinae; Mus. 1 (bases 1 to 27)

R Kato, K. and Matoba.R.
Generation of expressed sequence tags from mouse brain Unpublished (2002)
Contact: Kikuya Kato Generate School of Biological Sciences
Nara Institute of Science and Technology 8916-5 Takayama, Ikoma, Nara 630-0101, Japan
Tel: 81-743-72-5581
Fax: 81-743-72-5589
Faxil: kkato®bs.aist-nara.ac.jp,
URL:http://love2.aist-nara.ac.jp/BED/index.html.
 ö
 GSS 02-MAY-2002
 Shinn, P.
 EST 25-APR-2002
 Eukaryota, Viridiplantae, Streptophyta, Embryophyta, Tracheophyta, Spermatophyta, Magnoliophyta, eudicotyledons, core eudicots; Kosidae, eurosida II; Brassicales, Brassicaceae, Arabidopsis.

1 (Bos. 1 to 27)
Alonso.J.M., Leisse, T.J., Barajas, P., Chen, H., Cheuk, R., Gadrinab, C., Jeske, A., Karnes, M., Kim, C.J., Parker, H., Prednis, L., Shinn, P., Zimmerman, J. and Ecker, J.R.

A Sequence-Indexed Library of Insertion Mutations in the Arabidopsis Genome
Unpublished (2001)
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thaliana genomic clone SALK_061781, DNA sequence.
 27 bp mRNA linear EST 25-APR-:
AU254302 3'-directed mouse cDNA library Mus musculus cDNA clone
AU254302
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 Contact: Joseph R. Ecker
Salk Institute Genomic Analysis Laboratory (SIGnAL)
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A Sequence-Indexed Library of Insertion Mutations in the
 Eukaryota, Viridiplantae, Streptophyta, Embryophyta, Tracheophyta, Spermatophyta, Magnoliophyta, eudicotyledons, core eudicots, Rosidae, eurosids II; Brassicales, Brassicaceae, Arabidopsis.
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Unpublished (2001)
Contact: Joseph R. Ecker
Salk Institute Genomic Analysis Laboratory (SIGnAL)
The Salk Institute for Biological Studies
Toolo N. Torrey Pines Road, La Jolla, CA 92037, USA
Tel: 858 453 4100 x1752
Fax: 858 558 6379
 USA
 Length 27;
 0; Indels
10010 N. Torrey Pines Road, La Jolla, CA 92037,
Tel: 858 453 4100 x1752
Fax: 858 558 6379
Email: ecker@salk.edu
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 Hall, N., Bowman, S., Lennard, N.J., Doggett, J., Atkin, R.,
Chillingworth, C., Ormond, D., Harris, B., El-Sayed, N., Hou, L.,
Melville, S.E., Rajandream, M.A. and Barrell, B.G.
Direct Submission

Library S.E., Rajandream, M.A. and Barrell, B.G.
Direct Submission

Loudited (10-DEC-2000) Trypanosoma brucei genome sequencing
project. Sanger Centre, The Wellcome Trust Genome Campus, Hinxton,
Cambridge CB10 ISA, E-mail: barrell@sanger.ac.uk and
nh@sanger.ac.uk
Constructed at the Institute for Genomic Research (TIGR),
Rockville, MD. Genomic DNA isolated from a cloned population of
Trypanosoma brucei (TREU927/4 GUTAt 10.1) was mechanically sheared
to give a tight size distribution (
4 kb). The v + i method used for the library construction is
described in detail in Smith, H and venter, J.C. (Making small
insert libraries for whole genome shotgun sequencing projects.
Barrell, Oxford University Press, 1999).
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T. brucei sheared genomic DNA clone 116e03, forward sequence,
AL462526
 27 bp DNA linear GSS 13-DEC-2000
T. brucei sheared genomic DNA clone 349b02, forward sequence,
genomic survey sequence.
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 ö
 elements. The resultant fragment for each line was directly sequence to determine the genomic sequence at the site of insertion. Details of the protocols used can be found at http://signal.salk.edu/tdna_protocols.html"
 Email: nelsayed@tigr.org
Details of T. brucei sequencing at the Sanger Centre are available
at http://www.sanger.ac.uk/Projects/T_brucei/.
Location/Qualifiers
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Constructed at the Institute for Genomic Research (TIGR),
Rockville, MD. Genomic DNA isolated from a cloned population of
Trypanosoma brucei (TREU927/4 GUTat 10.1) was mechanically sheared
to give a tight size distribution (
4 kb). The v + i method used for the library construction is
described in detail in Smith, H. and Venter, J.C. (Making small
insert libraries for whole genome shortgun sequencing projects. In
Genome Sequencing: A Practical Approach, eds. M. Vaudin and B.
Barrell, Oxford University Press, 1999).
Email: nelsayed@tigr.org
Details of T. brucei sequencing at the Sanger Centre are available
at http://www.sanger.ac.uk/Projects/T_brucei/.
 AU257604 3'-directed mouse cDNA library Mus musculus cDNA clone BED0011024 3', mRNA sequence.
 ö
 Direct Submission
Submitted (10-DEC-2000) Trypanosoma brucei genome sequencing
project, Sanger Centre, The Wellcome Trust Genome Campus, Hinxton,
Cambridge CB10 1SA, E-mail: barrell@sanger.ac.uk and
 Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi; Mammalia; Eutheria; Rodentia; Sciurognathi; Muridae; Murinae; Mus. 1 (bases 1 to 30)
Kato, K. and Matoba, R. Generation of expressed sequence tags from mouse brain Unpublished (2002)
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Location/Qualifiers
 Contact: Kikuya Kato
Graduate School of Biological Sciences
Nara Institute of Science and Technology
8916-5 Takayama, Ikoma, Nara 630-0101, Japan
Tel: 81-743-72-5581
Eax: 81-743-72-5589
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REFERENCE AUTHORS

TITLE

JOURNAL

COMMENT

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of Gerald M. Rubin (University of California, Berkeley)
using ZAP-CDNA synthesis kit (Stratagene) and Superscript
I.RT (Life Technologies). Note: this is a NIH_MGC
 BG339578 34 bp mRNA linear EST:27-FEB-2001
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 Contract: Robert Strausberg, Ph.D.
Email: cgapbs-r@mail.nih.gov
Tissue Procurement: ATC
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CDNA Library Arrayed by: The I.M.A.G.E. Consortium (LLNL)
DNA Sequencing by: Incyte Genomics, Inc.
Clone distribution: MGC clone distribution information can be found through the I.M.A.G.E. Consortium/LLNL at:
http://image.llnl.gov
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 Homo sapiens

Eukaryota, Metazoa, Chordata, Craniata, Vertebrata, Euteleostomi,

Eukaryota, Metazoa, Chordata, Craniata, Vertebrata, Euteleostomi,

(Mamalia, Eutheria, Primates, Catarrhini, Hominidae, Homo.

1 (Asses 1 to 34)

NIH-MGC http://mgc.nci.nih.gov/.

NIH-MGC http://mgc.nci.nih.gov/.

Unpublished (1999)

Contact: Robert Strausberg, Ph.D.
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 BG34005
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 BG339578
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 ow73g08.s1 Soares fetal liver spleen INFLS S1 Homo sapiens cDNA clone IMAGE:1652510 3' gimilar to TR:015102 015102 HYPOTHETICAL 40.0 KD PROTEIN: j, mRNA sequence. A1032592.1 GI:3253718
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 Eukaryotta, Metazoa, Chordata, Craniata, Vertebrata, Euteleostomi, Mammalia, Eutheria, Primates, Catarrhini, Hominidae, Homo.
I (bases 1 to 31)
NCI-CGAP http://www.ncbi.nlm.nih.gov/ncicgap.
National Cancer-Institute, Cancer Genome Anatomy Project (CGAP),
 Contact: Robert Strausberg, Ph.D.
Email: cgapbs-r@mail.nih.gov
This Clone is available royalty-free through LLNL ; contact the
IMAGE Consortium (infr@eimage.llnl.gov) for further information.
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Matches 9; Conserv
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Gaps ; EST 27-FEB-2001

BASE COUNT

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Tissue Procurement: ATCC
CDNA Library Pregaration: Ling Hong/Rubin Laboratory
CDNA Library Arrayed by: The I.M.A.G.E. Consortium (LIAL)
DNA Sequencing by: Incyte Genomics, Inc.
Clone distribution: MGC clone distribution information can be found through the I.M.A.G.E. Consortium/LLNL at:
Clone distribution: MGC clone distribution information can be http://image.llnl.gov
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GenCore version 5.1.6
Copyright (c) 1993 - 2003 Compugen Ltd.
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6.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	9.7	86.7	0.	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	
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13	13	13	13	13	13	13	13	13	13	13	13	12	12	12	12	12	12	12	12	12	12	12	12	12	
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21	22	23	24	25	56	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	
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## ALIGNMENTS

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REBULT 1970-10408-539/C
Sequence 539, Application PC/TUS0304088
SEGURAL INFORMATION:
APPLICANT: Ribozyme Pharmaccuticals, Inc.
APPLICANT: Ribozyme Pharmaccuticals, Inc.
APPLICANT: Besignin, Leonia
TITLE OF INVENTION: RAY Anterference Mediated Inhibition of Telomerase Gene
TITLE OF INVENTION: RAY A Interference Mediated Inhibition of Telomerase Gene
TITLE OF INVENTION: RAY A 100/080)
CURRENT APPLICATION NUMBER: 0203-04-28
PRIOR FILING DATE: 2003-07-17
PRIOR PLING DATE: 2003-07-18
PRIOR PLING DATE: 2002-03-19
PRIOR PLING DATE: 2002-03-19
PRIOR PLING DATE: 2002-03-19
PRIOR FILING DATE: 2002-06-29
PRIOR PLING DATE: 2002-09-05
PRIOR PLING DATE: 2002-09-05
PRIOR PLING DATE: 2003-04-29
PRIOR PLING DATE: 2003-04-29
PRIOR APPLICATION NUMBER: US 60/406,784
PRIOR APPLICATION NUMBER: US 60/408,378
PRIOR APPLICATION NUMBER: US 60/409,293
PRIOR PRE
```

100.0%; Score 15; DB 1; Length 21;

```
APPLICANT: Ribozyme Pharmaceuticals, Inc.
APPLICANT: McSwiggen, James
APPLICANT: Beigelman, Leonid
TITLE OF INVENTION: RNA Interference Mediated Inhibition of Telomerase Gene
 OTHER INFORMATION: Description of Artificial Sequence: siNA sense region
 .
0
 LOCATION: (21)...(21); OTHER INFORMATION: 3'-3 attached terminal deoxyabasic moeity PCT-US03-04088-547
 ON: (1)...(1)
INFORMATION: 5'-3 attached terminal deoxyabasic moeity
 100.0%; Score 15; DB 1; Length 21; 100.0%; Pred. No. 36; 0; Indels cive 0; Mismatches 0; Indels
 LOCATION: (20)...(21)
OTHER INFORMATION: n stands for thymidine
 PRIOR FILING DATE: 2002-03-11
PRIOR FILING DATE: 2002-03-11
PRIOR FILING DATE: 2002-06-06
PRIOR PILING DATE: 2002-06-06
PRIOR PILING DATE: 2002-06-29
PRIOR FILING DATE: 2002-08-29
PRIOR FILING DATE: 2002-09-06
PRIOR FILING DATE: 2002-09-06
PRIOR APPLICATION NUMBER: US 60/409, 293
PRIOR FILING DATE: 2002-09-09
PRIOR FILING DATE: 2002-09-09
PRIOR FILING DATE: 2002-09-09
 FEATURE:
NAME/KEY: misc_feature
LOCATION: (7)..(9)
OTHER INFORMATION: 2'-deoxy-2'-fluoro
 PLICATION NUMBER: US 60/363,124
 NAME/KEY: misc feature
LOCATION: (1).7(2)
JTHER INFORMATION: 2'-deoxy-2'-fluoro
 ; Sequence 551, Application PC/TUS0304088 ; GENERAL INFORMATION:
 /KEY: misc_feature
TION: (4)...(5)
R INFORMATION: 2'-deoxy-2'-fluoro
 CCATION: (19)...(19)
OTHER INFORMATION: 2'-deoxy-2'-fluoro
 OCATION: (11)...(14)
THER INFORMATION: 2'-deoxy-2'-fluoro
 NUMBER OF SEQ ID NOS: 626
SOFTWARE: PatentIn version 3.2
 1 GCTCTAGAATGAACG 15
 19 GCTCTAGAATGAACG
 NAME/KEY: misc_feature
LOCATION: (20)...(21)
 NAME/KEY: misc_feature
 WAME/KEY: misc_feature
 NAME/KEY: misc_feature
 ORGANISM: Artificial
 Query Match
Best Local Similarity
 PCT-US03-04088-551
 SEQ ID NO 547
 OCATION:
 П
 ઠ
 FEATURE:
OTHER INFORMATION: Description of Artificial Sequence: sinA antisense region
FEATURE:
 ö
 Sequence 543, Application PC/TUS0304088
GENERAL INFORMATION:
APPLICANT: Ribozyme Pharmaceuticals, Inc.
APPLICANT: McSwiggen, James
APPLICANT: Beigelman, Leonid
TITLE OF INVENTION: RNA Interference Mediated Inhibition of Telomerase Gene
TITLE OF INVENTION: Expression Using Short Interfering RNA (SINA)
FILE REFERENCE: 02-708-A (400/080)
CURRENT FILING DATE: 2003-04-28
 Gaps
 APPLICANT: NCSWiggen, James
APPLICANT: NCSWiggen, James
TITLE OF INVENTION: RNA Interference Mediated Inhibition of Telome
TITLE OF INVENTION: Rxpression Using Short Interfering RNA (SINA)
FILE REFERENCE: 02-708-A (400/080)
FILE REFERENCE: 02-708-A (400/080)
CURRENT APPLICATION NUMBER: PCT/US03/04088
PRIOR APPLICATION NUMBER: US 60/396,600
PRIOR FILING DATE: 2002-07-17
 ö
 DB 1; Length 21;
 Indels
 Pred. No. 36; Mismatches
 Mismatches
 100.0%; Score 15; D
80.0%; Pred. No. 36;
 NAME/KEY: misc_feature; LOCATION: (20)...(21)
DCCATION: INFORMATION: n stands for thymidine; PCT-US03-04088-543
 PRIOR APPLICATION NUMBER: US 60/358,580
PRIOR FILING DATE: 2002-02-20
PRIOR FILING DATE: 2002-03-11
PRIOR PILING DATE: 2002-03-11
PRIOR PILING DATE: 2002-06-06
PRIOR PILING DATE: 2002-06-06
PRIOR FILING DATE: 2002-06-09
PRIOR FILING DATE: 2002-08-29
PRIOR FILING DATE: 2002-09-05
 Sequence 547, Application PC/TUS0304088 GENERAL INFORMATION:
APPLICANT: Ribozyme Pharmaceuticals, Inc.
 PRIOR APPLICATION NUMBER: US 60/396,600 PRIOR FILING DATE: 2002-07-17
 PRIOR APPLICATION NUMBER: US 60/440,129
PRIOR FILLING DATE: 2003-01-15
NUMBER OF SEQ ID NOS: 626
SOFTWARE: PatentIn version 3.2
 ö
100.08;
 1 GCTCTAGAATGAACG 15
 ||:|:||||:|||||
1 GCUCUAGAAUGAACG 15
 1 GCTCTAGAATGAACG 15
 19 GCTCTAGAATGAACG 5
 12; Conservative
 Best Local Similarity 100.
Matches 15; Conservative
 Query Match
Best Local Similarity
 ORGANISM: Artificial
 PCT-US03-04088-547/c
 SEQ ID NO 543
 Matches
 ò
 ଚ
```

Gaps

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02-708-A (400/080)
 OTHER INFORMATION: Description of Artificial Sequence: Target sequence/sinA OTHER INFORMATION: antisense region
 ö
 CT-US03-04088-555/c
Sequence 555, Application PC/TUS0304088
GENERAL INFORMATION:
APPLICANT: Ribozyme Pharmaceuticals, Inc.
APPLICANT: Beigelman, Jennes
APPLICANT: Beigelman, Leonid
TITLE OF INVENTION: RNA Interference Mediated Inhibition of Telomerase Gene
TITLE OF INVENTION: Expression Using Short Interfering RNA (siNA)
 Gaps
Expression Using Short Interfering RNA (siNA)
 ö
 NAME/KEY: misc_feature

: LOCATION: (20)

: OTHER INFORMATION: Phosphorothioate 3'-Internucleotide Linkage

PCT-US03-04088-551
 ; Score 15; DB 1; Length 21; Pred. No. 36; 3; Mismatches 0; Indels
 CUCKENI FILING DATE: 2002-07-17
PRIOR FILING DATE: 2002-07-17
PRIOR FILING DATE: 2002-07-17
PRIOR PELLICATION NUMBER: US 60/358,580
PRIOR PILING DATE: 2002-02-20
PRIOR PILING DATE: 2002-03-11
PRIOR APPLICATION NUMBER: US 60/363,124
PRIOR FILING DATE: 2002-06-06
PRIOR PILING DATE: 2002-06-06
PRIOR PELLING DATE: 2002-09-05
PRIOR PILING DATE: 2003-09-05
PRIOR PILING DATE: 2003-09-05
PRIOR PILING DATE: 2003-09-05
PRIOR PILING DATE: 2003-09-05
PRIOR SEQ ID NOS: 626
SOFTWARE: PARENTIN VETSION 3.2
SEQ ID NO 551
LENGTH: 21
 FILE REPERENCE: 02-708-A (400/080)
CURRENT APPLICATION NUMBER: PCT/US03/04088
CURRENT FILING DATE: 2003-04-28
 LOCATION: (20). (21)
OTHER INFORMATION: n stands for thymidine
 FEATURE:
NAME/KEY: misc_feature
LOCATION: (10)...(10)
OTHER INFORMATION: 2'-deoxy-2'-fluoro
 FEATURE:
NAME/KEY: misc_feature
LOCATION: (14)...(14)
OTHER INFORMATION: 2'-deoxy-2'-fluoro
 NAME/KEY: misc feature
LOCATION: (17) ... (17)
OTHER INFORMATION: 2'-deoxy-2'-fluoro
 OCATION: (2). (5)
OTHER INFORMATION: 2'-deoxy-2'-fluoro
 Query Match
Best Local Similarity 80.0%; I
Matches 12; Conservative 3.
 1 GCUCUAGAAUGAACG 15
 FEATURE:
NAME/KEY: misc_feature
 NAME/KEY: misc feature
 ORGANISM: Artificial
 TYPE: RNA
```

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OTHER INFORMATION: Description of Artificial Sequence: Target sequence/sinA sense OTHER INFORMATION: region
 OCATION: (1). (1)
THER INFORMATION: 5'-3 attached terminal deoxyabasic moeity
CURRENT APPLICATION NUMBER: PCT/USO3/04088
CURRENT FILING DATE: 2003-04-28
PRIOR APPLICATION NUMBER: US 60/396,600
PRIOR PILING DATE: 2002-07-17
PRIOR FILING DATE: 2002-02-20
PRIOR PELING DATE: 2002-02-30
PRIOR PELING DATE: 2002-03-31
PRIOR FILING DATE: 2002-03-31
PRIOR FILING DATE: 2002-06-06
PRIOR FILING DATE: 2002-06-06
PRIOR PELING DATE: 2002-06-06
PRIOR PILING DATE: 2002-09-05
PRIOR PILING DATE: 2002-09-05
PRIOR FILING DATE: 2002-09-05
PRIOR FILING DATE: 2002-09-05
PRIOR PILING DATE: 2002-09-05
PRIOR PILING DATE: 2002-09-09
PRIOR PILING DATE: 2002-09-09
PRIOR APPLICATION NUMBER: US 60/440, 129
PRIOR PILING DATE: 2002-09-09
PRIOR PILING DATE: 2003-09-09
 LOCATION: (20)...(21)
OTHER INFORMATION: n stands for thymidine FEATURE:
 CATION NUMBER: PCT/US03/04088
 FEATURE:
NAME/KEY: misc_feature
LOCATION: (1)..(2)
OTHER INFORMATION: 2'-deoxy-2'-fluoro
 LOCATION: (7). (9)

THER INFORMATION: 2'-deoxy-2'-fluoro
 VAME/KEY: misc feature
LOCATION: (11)...(14)
OTHER INFORMATION: 2'-deoxy-2'-fluoro
 ON: (4)..(5)
INFORMATION: 2'-deoxy-2'-fluoro
 NAME/KEY: misc_feature
LOCATION: (19) ...(19)
DTHER INFORMATION: 2'-deoxy-2'-fluoro
 NAME/KEY: misc_feature
LOCATION: (3)...(3)
THER INFORMATION: 2'-deoxy
 OCATION: (6). (6)
THER INFORMATION: 2'-deoxy
EATURE:
 NAME/KEY: misc feature
COCATION: (10)...(10)
THER INFORMATION: 2'-deoxy
 NAME/KEY: misc_feature
LOCATION: (15)..(18)
THER INFORMATION: 2'-deoxy
 AME/KEY: misc_feature
 RATURE:
 AME/KEY: misc feature
 WAME/KEY: misc feature
 AME/KEY: misc_feature
OCATION: (4)..(5)
 TYPE: RNA
ORGANISM: Artificial
FEATURE:
```

```
NAME/KEY: misc feature
LOCATION: (20)...(20)
OTHER INFORMATION: Phosphorothicate 3'-Internuclectide Linkage
 NAME/KEY: misc feature
LOCATION: (17) ... (17)
OTHER INFORMATION: 2'-deoxy-2'-fluoro
ION: (14)..(14)
INFORMATION: 2'-deoxy-2'-fluoro
 Query Match 100.0%;
Best Local Similarity 80.0%;
Matches 12; Conservative 3
 1 GCTCTAGAATGAACG 15
 NAME/KEY: misc feature
LOCATION: (15). (16)
OTHER INFORMATION: 2'-deoxy
FEATURE:
 LOCATION: (18) ... (19)
OTHER INFORMATION: 2'-deoxy
 NAME/KEY: misc_feature
 NAME/KEY: misc_feature
 TYPE: RNA
ORGANISM: Artificial
 SEQ ID NO 520
LENGTH: 23
 à
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 OTHER INFORMATION: Description of Artificial Sequence: Target sequence/siNA OTHER INFORMATION: antisense region
 ..
0
 APPLICANT: Ribozyme Pharmaceuticals, Inc.
APPLICANT: Ribozyme Pharmaceuticals, Inc.
APPLICANT: Roswiggen, James
APPLICANT: Beigelman, Leonid
TITLE OF INVENTION: RNA Interference Mediated Inhibition of Telomerase Gene
TITLE OF INVENTION: Expression Using Short Interfering RNA (siNA)
FILE REFERENCE: 02-708-A (400/080)
CURRENT APPLICATION NUMBER: PCT/US03/04088
 Gaps
 .
 ; NAME/KEY: misc_feature
; LOCATION: (21)...(21)
; OTHER INFORMATION: 3'-3 attached terminal deoxyabasic moeity
PCT-US03-04088-555
 Length 21;
 Indels
 Mismatches
 CURRENT FILING DATE: 2003-04-28
PRIOR APPLICATION NUMBER: US 60/396,600
PRIOR PILING DATE: 2003-04-28
PRIOR FILING DATE: 2002-0-17
PRIOR PELING DATE: 2002-02-0
PRIOR PELING DATE: 2002-02-0
PRIOR PELING DATE: 2002-03-11
PRIOR FILING DATE: 2002-03-11
PRIOR FILING DATE: 2002-06-06
PRIOR APPLICATION NUMBER: US 60/406,784
PRIOR PILING DATE: 2002-06-06
PRIOR APPLICATION NUMBER: US 60/406,784
PRIOR PILING DATE: 2002-09-05
PRIOR PILING DATE: 2002-09-05
PRIOR PELING DATE: 2002-09-05
PRIOR PILING DATE: 2002-09-09
PRIOR PILING DATE: 2002-09-09
PRIOR FILING DATE: 2002-09-09
PRIOR PILING DATE: 2002-09-09
PRIOR PILING DATE: 2003-01-15
NUMBER OF SEQ ID NOS: 626
SOFTWARE: PATENTIN VEYSION 3.2
 LOCATION: (2). (5)
OTHER INFORMATION: 2'-deoxy-2'-fluoro
 NAME/KEY: misc_feature
LOCATION: (10)...(10)
OTHER INFORMATION: 2'-deoxy-2'-fluoro
FEATURE:
 Sequence 559, Application PC/TUS0304088 GENERAL INFORMATION:
 Query Match
Best Local Similarity 100.0%;
Matches 15; Conservative 0
 1 GCTCTAGAATGAACG 15
 LOCATION: (1). (1)
OTHER INFORMATION: 2'-deoxy
 LOCATION: (6). (9)
OTHER INFORMATION: 2'-deoxy
 LOCATION: (11) ... (13)
OTHER INFORMATION: 2'-deoxy
FEATURE:
 19 GCTCTAGAATGAACG 5
 FEATURE:
NAME/KEY: misc_feature
 NAME/KEY: misc_feature
LOCATION: (1)..(1)
 NAME/KEY: misc feature
 NAME/KEY: misc_feature
 NAME/KEY: misc_feature
 ORGANISM: Artificial
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; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: Target sequence/sinA sense;
; OTHER INFORMATION: region
; CTHER INFORMATION: region
; PCT-USO3-04088-520
 General Information:

APPLICANT: Ribozyme Pharmaceuticals, Inc.

APPLICANT: McSwiggen, James

APPLICANT: McSwiggen, James

APPLICANT: McSwiggen, James

TILLE OF INVENTION: RNA Interference Mediated Inhibition of Telomerase Gene

TILLE OF INVENTION: RNA Interference Mediated Inhibition of Telomerase Gene

TILLE OF INVENTION: Expression Using Short Interfering RNA (siNA)

FILE REFERENCE: 02-708-A (400/080)

CURRENT APPLICATION NUMBER: VS 60/396,600

PRIOR APPLICATION NUMBER: US 60/358,580

PRIOR APPLICATION NUMBER: US 60/358,580

PRIOR FILING DATE: 2002-00-17

PRIOR PILING DATE: 2002-03-11

PRIOR FILING DATE: 2002-03-11

PRIOR FILING DATE: 2002-06-06

PRIOR FILING DATE: 2002-06-06

PRIOR FILING DATE: 2002-09-05

PRIOR FILING DATE: 2002-09-05

PRIOR FILING DATE: 2002-09-09

PRIOR FILING DATE: 2003-01-15

NUMBER OF SEQ ID NOS: 626

SECTION NUMBER: US 60/440,129

PRIOR FILING DATE: 2003-01-15

NUMBER OF SEQ ID NOS: 626

SECTION NUMBER: US 60/400, 200
 ö.
 Gaps
 ;
 100.0%; Score 15; DB 1; Length 23;
 Score 15; DB 1; Length 21;
Pred. No. 36;
 Indels
 Mismatches
LOCATION: (20)...(21)
COTHER INFORMATION: n stands for thymidine PCT-US03-04088-559
 PCT-US03-04088-520/c
; Sequence 520, Application PC/TUS0304088
; GENERAL INFORMATION:
 Query Match
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Gaps
 100.0%; Score 15; DB 6; Length 26; 100.0%; Pred. No. 36; Live 0; Mismatches 0; Indels
 COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: ISM PC Compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.30
 NAME: Apple, Randolph Ted
REGISTRATION NUMBER: 36,429
REFERENCE/DOCKET NUMBER: 015389-002610US
 LOCATION: 1..26
OTHER INFORMATION: /note= "R3c primer"
SEQUENCE DESCRIPTION: SEQ ID NO: 598:
 APPLICATION NUMBER: WO PCT/US97/17618
FILING DATE: 01-0CT-1997
APPLICATION NUMBER: WO PCT/US97/17885
FILING DATE: 01-0CT-1997
 APPLICATION NUMBER: US/08/974,549A
FILING DATE: 19-NOV-1997
PELING DATE: US-NOV-1997
PILING DATE: O1-OCT-1996
 APPLICATION NUMBER: US 08/911,312
FILING DATE: 14-AUG-1997
APPLICATION NUMBER: US 08/912,951
FILING DATE: 14-AUG-1997
 FILING DATE: 18-APR-1997
PAPLICATION NUMBER: US 08/846,017
FILING DATE: 25-APR-1997
APPLICATION NUMBER: US 08/851,843
 FILING DATE: 06-MAY-1997
APPLICATION NUMBER: US 08/854,050
 APPLICATION NUMBER: US 08/915,503
FILING DATE: 14-AUG-1997
 CURRENT APPLICATION DATA:
REPLICATION NUMBER: US/09/721,456
FILING DATE: 22-NOV-2000
CLASSIFICATION: <u currents
 APPLICATION NUMBER: US 08/844,419
 Sequence 598, Application US/10325810
GENERAL INFORMATION:
APPLICANT: Cech, Thomas R.
Lingner, Joachim
Nakamura, Toru
Chapman, Karen B.
 TELECOMMUNICATION INFORMATION:
TELEPHONE: (415) 576-0200
 FILING DATE: 09-MAY-1997
 ATTORNEY/AGENT INFORMATION:
 INFORMATION FOR SEQ ID NO: 598
 STRANDEDNESS: single
 SEQUENCE CHARACTERISTICS
 1 GCTCTAGAATGAACG 15
 STATE: California
 Best Local Similarity
Matches 15, Conserve
 RESULT 10
US-10-325-810-598
 US-09-721-456-598
 Query Match
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 OTHER INFORMATION: Description of Artificial Sequence: Target sequence/sinA sense OTHER INFORMATION: region
 ö
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 Gaps
 Gaps
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 APPLICANT: MCSW499GN Final maceulicats, inc.
APPLICANT: McSw499GN James
APPLICANT: Beigelman, Leonid
TITLE OF INVENTION: RNA Interference Mediated Inhibition of Telor
TITLE OF INVENTION: Expression Using Short Interfering RNA (siNN)
FILE REFERENCE: 02-708-A (400/080)
CURRENT APPLICATION NUMBER: PCT/US03/04088
CURRENT FILING DATE: 2003-04-28
PRIOR APPLICATION NUMBER: US 60/356,600
PRIOR APPLICATION NUMBER: US 60/358,580
PRIOR PILING DATE: 2002-02-0
PRIOR PILING DATE: 2002-02-0
PRIOR PILING DATE: 2002-03-11
PRIOR PILING DATE: 2002-03-11
PRIOR PILING DATE: 2002-06-06
PRIOR PILING DATE: 2002-06-05
PRIOR PILING DATE: 2002-06-05
PRIOR PILING DATE: 2002-09-05
PRIOR PILING DATE: 2002-09-09
PRIOR PILING DATE: 2002-09-09
PRIOR PILING DATE: 2002-09-09
PRIOR PILING DATE: 2002-09-09
PRIOR PILING DATE: 2003-01-15
NUMBER OF SEQ ID NOS: 626
SOFTWARE PARCELLY VERSION 3.2
 Morin, Gregg B.
Harley, Calvin B.
Andrews, William H.
TITLE OF INVENTION: Human Telomerase Catalytic Subunit
NUMBER OF SEQUENCES: 727
CORRESPONDENCE ADDRESS:
 Score 15; DB 1; Length 23;
Pred. No. 36;
 0; Indels
 Indels
 ADDRESSEE: Townsend and Townsend and Crew LLP STREET: Two Embarcadero Center, Eighth Floor
 ö
 Pred. No. 36;
 Mismatches
100.0%; Preq. ...
 Sequence 521, Application PC/TUS0304088
GENERAL INFORMATION:
APPLICANT: Ribozyme Pharmaceuticals, Inc.
 US-09-/21
; Sequence 598, Application:
; GENERAL INFORMATION:
; APPLICANT: Cech, Thomas R.
; Lingner, Joachim
Nakamura, Toru
Chapman, Karen B.
 Application US/09721456
 100.0%;
100.0%;
 CITY: San Francisco
 1 GCTCTAGAATGAACG 15
 1 GCTCTAGAATGAACG 15
 21 GCTCTAGAATGAACG 7
 Query Match
Best Local Similarity 100.0
Matches 15; Conservative
 15; Conservative
 Best Local Similarity
Matches 15; Conserv
 TYPE: RNA
ORGANISM: Artificial
 PCT-US03-04088-521/c
 PCT-US03-04088-521
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Andrews, William H.
TITLE OF INVENTION: Mammalian Telomerase
NUMBER OF SEQUENCES: 42
CORRESPONDENCE ADDRESS:
 APPLICANT: Villeponteau, Bryant
 Sequence 23, Application US/10359935
GENERAL INFORMATION:
 PRIOR APPLICATION DATA
 Query Match 100.
Best Local Similarity 100.
Matches 15; Conservative
 TELEPHONE:
 US-10-359-935-23
US-10-359-935-23
 엄
 COUNTRY STATES COUNTRY STATES COUNTRY STATES COUNTRY STATES STATE
 Harley, Calvin B.
Andrews, William H.
TITLE OF INVENTION: Human Telomerase Catalytic Subunit
NUMBER OF SEQUENCES: 633
 100.0%; Score 15; DB 9; Length 26; 100.0%; Pred. No. 36;
 Indels
 ADDRESSEE: Townsend and Townsend and Crew LLP STREET: Two Embarcadero Center, Eighth Floor
 ATTORNEY/AGENT INFORMATION:
NAME: Ausenhus, Scott L.
REGISTRATION NUMBER: 42,271
REFERENCE/DOCKET NUMBER: 015389-002620US
TELECOMMUNICATION INFORMATION:
 FILING DATE: 06-MAY-1997
APPLICATION NUMBER: US 08/854,050
FILING DATE: 09-MAY-1997
APPLICATION NUMBER: US 08/911,312
FILING DATE: 14-AUG-1997
FILING DATE: 14-AUG-1997
APPLICATION NUMBER: US 08/912,951
FILING DATE: 14-AUG-1997
APPLICATION NUMBER: US 08/915,503
FILING DATE: 14-AUG-1997
APPLICATION NUMBER: WO PCT/US97/17885
FILING DATE: 01-OCT-1997
 NAME/KEY:. -
LOCATION: 1..26
OTHER INFORMATION: /note= "R3c primer"
SEQUENCE DESCRIPTION: SEQ ID NO: 598:
 Mismatches
 APPLICATION NUMBER: US 08/846,017
FILING DATE: 25-APR-1997
APPLICATION NUMBER: US 08/851,843
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0
 INFORMATION FOR SEQ ID NO: 598
SEQUENCE CHARACTERISTICS:
 1 GCTCTAGAATGAACG 15
 CORRESPONDENCE ADDRESS:
 15; Conservative
 Best Local Similarity
Matches 15; Conserv
 US-10-325-810-598
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APPLICANT: Pruzan, Ronald
IITLE OF INVENTION: Using Purified Telomerase to Identify Telomerase Activators and
IITLE OF INVENTION: Inhibitors
 COUNTY: USA
ZIP: 94111-3934
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
COMPUTER: DEADER PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION DATA:
FILING DATE: 07-Feb-2003
CLASSIFICATION: 435
 Indels
ADDRESSEE: Townsend and Townsend and Crew LLI
STREET: Two Embarcadero Center, Eighth Floor
 NAME: Storella, John R.
REGISTRATION NUMBER: 32,944
REFERENCE/DOCKET NUMBER: 015389-000821US
TELECOMMUNICATION INFORMATION:
 DB 9;
 APPLICATION NUMBER: US/09/057,351
FILING DATE: 08-APR-1994
APPLICATION NUMBER: US 08/272,102
FILING DATE: 07-UL-1994
APPLICATION NUMBER: US 08/330,123
FILING DATE: 27-CT-1994
APPLICATION NUMBER: US 08/472,802
FILING DATE: 07-UN-1995
ATTORNEY/AGENT INFORMATION:
 Mismatches
 Score 15;
Pred. No.
 MOLECULE TYPE: DNA
SEQUENCE DESCRIPTION: SEQ ID NO: 23:
 US-10-330-872-5; Sequence 5, Application US/10330872; GENERAL INFORMATION:
 .
0
 APPLICANT: Geron Corporation
APPLICANT: Weinrich, Scott
APPLICANT: Atkinson III, Edward
APPLICANT: Lichtsteiner, Serge
APPLICANT: Vasserot, Alain
 100.0%;
100.0%;
 INFORMATION FOR SEQ ID NO: 23
SEQUENCE CHARACTERISTICS
 CITY: San Francisco
STATE: California
 STRANDEDNESS: sing]
 5 gereragaardaacd 19
 TYPE: nucleic acid
 REFERENCE: 011/006C
 APPLICANT:
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Gaps

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CURRENT APPLICATION NUMBER: US/60/427,808
CURRENT FILING DATE: 2002-11-20
NUMBER OF SEQ ID NOS: 982914
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; Sequence 952738, Application US/60427808
; GENERAL INFORMATION:
; APPLICANT: Xue Mei Zhou
; TITLE OF INVENTION: Methods of Genetic Analysis of Mouse
; FILE REFERENCE: 3528
 Score 14; DB 12; I
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 CURRENT APPLICATION NUMBER: US/10/310,188
CURRENT FILING DATE: 2002-12-19
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US-10-310-188-36216
 TITLE OF INVENTION:
FILE REFERENCE: 4746
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 APPLICANT: RosettaGemonics
TITLE OF INVENTION: BIOINFORMATICALLY DETECTABLE GROUP OF NOVEL VIRAL REGULATORY GENH
 APPLICANT: Weinrich, Scott
APPLICANT: Atkinson III, Edward
APPLICANT: Atkinson III, Edward
APPLICANT: Lichtsteiner, Serge
APPLICANT: Vasserot, Alain
APPLICANT: Vasserot, Alain
APPLICANT: Vasserot, India
TITLE OF INVENTION: Using Purified Telomerase to Identify Telomerase Activators and
TITLE OF INVENTION: Inhibitors
FILE REFERENCE: 011/066C
CURRENT APPLICATION NUMBER: US/10/330,872A
CURRENT FILING DATE: 2002-12-24
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 Score 15; DB 10; Length 30;
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PRIOR FILING DATE: 1995-08-04
PRIOR FILING DATE: 1995-08-04
PRIOR FILING DATE: 1997-04-04
PRIOR PELING DATE: 1999-10-18
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US-10-330-872-5
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 US-10-330-872A-5
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Gaps

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Length 25;

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4	15	100.0	19	11	US-08-770-564A-9	Sequence 9, Appli
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9	15	100.0	25	25	US-09-642-177-4	Sequence 4, Appli
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Sequence 10, Application US/08770564A
GENERAL INFORMATION:
APPLICANT: Realey, James T.
APPLICANT: Frusan, Ron
APPLICANT: Prusan, Ron
TITLE OF INVENTION: Inhibitory Polynucleotides Directed
TITLE OF INVENTION: Against the RNA Component of Telomerase
NUMBER OF SEQUENCES: 15
CORRESPONDENCE ADDRESS:
 100.0%; Score 15; DB 1; Length 15; 100.0%; Pred. No. 1.4e+02; ive 0; Mismatches 0; Indels
 COMPUTER READABLE FORM:

MEDIUM TYPE: Floppy disk

COMPUTER: IBM PC compatible

COMPUTER: 20-DSC/1996

CLASSIFICATION NUMBER: US/08/770,564A

ATTORNEY/AGENT INFORMATION:

NAME: Storella, John R.

REGISTRATION NUMBER: 32,944

REGISTRATION NUMBER: 015389-002200US

TELEPHONE: 415-576-2200
 100.0%; Score 15; DB 11;
100.0%; Pred. No. 1.4e+02;
iive 0; Mismatches 0;
 ADDRESSEE: TOWNSEND and TOWNSEND and CREW LLP
 STREET: Two Embarcadero Center, 8th Floor
CITY: San Francisco
STATE: CA
 NAME/KEY: -
CCATION: 1..15
COTHER INFORMATION: /note= "oligo 2lab3"
PCT-US97-23619-10
 TELEFAX: 415-576-0300
INFORMATION FOR SEQ ID NO: 10:
SEQUENCE CHARACTERISTICS:
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 Query Match 100.
Best Local Similarity 100.
Matches 15; Conservative
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Best Local Similarity 100.
Matches 15; Conservative
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TYPE: nucleic acid
STRANDEDNESS: single
 LENGIH: 15 base pairs
 TYPE: nucleic acid
STRANDEDNESS: single
 STRANDEDNESS: SIN
 MOLECULE TYPE: DNA
 linear
 USA
 MOLECULE TYPE:
 US-08-770-564A-10
 RESULT 2
US-08-770-564A-10
 TOPOLOGY:
 RESULT 3
PCT-US97-23619-9
 COUNTRY:
 d
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 Sequence 5, Appli
Sequence 598, App
Sequence 598, App
Sequence 26, Appl
Sequence 312, App
Sequence 312, App
Sequence 26, Appl
Sequence 5, Appli
Sequence 6, Appli
Sequence 10, Appli
 Sequence 45, Appl
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Sequence 598, App
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 Sequence 17,
Sequence 596
 Sequence 2
 Seguence
 TITLE OF INVENTION: Methods for Detecting and Inhibiting the TITLE OF INVENTION: RNA Component of Telomerase NUMBER OF SEQUENCES: 29
CORRESPONDENCE ADDRESS:
ADDRESSEE: Townsend and Townsend and Crew LLP STREET: Two Embarcadero Center, Bighth Floor CITY: San Francisco STATE: California
COUNTRY: USA
 COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
MEDIUM TYPE: Floppy disk
COMPUTER: ISM PC compatible
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SOFTWARE: Patentin Release #1.0, Version #1.30
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SOFTWARE: Patentin Release #1.0, Version #1.30
SOFTWARE: ISM PC compatible
APPLICATION NUMBER: PCT/US97/23619
FILING DATE: NOT YET ASSIGNED
FILING DATE: 20-DEC-1996
FILING DATE: 20-DEC-1996
ATTORNEY/AGENT INFORMATION:
NAME: STORMATION:

US-08-912-951-312

US-08-974-598-17

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US-09-974-598-18

US-09-216-847-2

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PCT-US97-23619-8

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 US-08-770-564A-8
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US-09-717-828A-5
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 Sequence 10, Application PC/TUS9723619 GENERAL INFORMATION:
 TELECOMMUNICATION INFORMATION:
TELEPHONE: (415) 576-0200
TELEPAX: (415) 576-0300
INFORMATION FOR SEQ ID NO. 10:
SEQUENCE CHARACTERISTICS:
 PCT-US97-23619-10
 APPLICANT:
APPLICANT:
APPLICANT:
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Gaps

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Indels

Length 15;

. V

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Lacan: Jenation US/09250336A

Lacan: STROVEL, Jeffrey W.
APPLICANT: STROVEL, Jeffrey W.
APPLICANT: STROWEL, Jeffrey W.
APPLICANT: ABRUZZO, Lynne V.
APPLICANT: HIGHBMITH, Edward
TITLE OF INVENTION: TELOMERASE ASSAY OF BODY FLUIDS FOR CANCER SCREENING
TITLE OF INVENTION: TELOMERASE ASSAY OF BODY FLUIDS FOR CANCER SCREENING
TITLE OF INVENTION: TELOMERASE STAGE AND PROGNOSIS
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CURRENT APPLICATION NUMBER: 105/09/250,336A
CURRENT FILING DATE: 1999-02-16
PRIOR FILING DATE: 1999-02-16
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 OTHER INFORMATION: Description of Artificial Sequence: R3c, Primer
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 Length 19;
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 0; Indels
 Indels
 SOFTWARE: Patentin Release #1.0, Version #1.30 CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/770,564A FILING DATE: 20-DEC-1996
CLASSIFICATION: 514
ATTORNEY/AGENT INFORMATION:
NAME: Storella, John R.
REGISTRATION NUMBER: 32,944
REFERENCE/DOCKET NUMBER: 015389-002200US
 Query Match 100.0%; Score 15; DB 16; Best Local Similarity 100.0%; Pred. No. 1.4e+02; Matches 15; Conservative 0; Mismatches 0;
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100.0%; Score 15; DB 11;
Best Local Similarity 100.0%; Pred. No. 1.4e+02;
Matches 15; Conservative 0; Mismatches 0;
 TOWNSEND and TOWNSEND and CREW LLP
 STREET: Two Embarcadero Center, 8th Floor
CITY: San Francisco
 ZIP: 94111
COMPUTER READABLE FORM:
MEDIUM TYPE: Ploppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
 TELECOMMUNICATION INFORMATION:
TELEPHONE: 415-576-0200
 TYPE: DNA
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 TELEFAX: 415-576-0300
INFORMATION FOR SEQ ID NO:
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LENGTH: 19 base pairs
 TYPE: nucleic acid
STRANDEDNESS: single
 linear
 MOLECULE TYPE: DNA
 ADDRESSEE:
 TOPOLOGY:
 US-08-770-564A-9
 US-09-250-336A-4
 COUNTRY:
 ò
 ö
 Methods for Detecting and Inhibiting the RNA Component of Telomerase
 Sequence 9, Application US/08770564A
GENERAL INFORMATION:
APPLICANT: Kealey, James T.
APPLICANT: Pruzan, Ron
APPLICANT: Weinrich, Scott L.
TITLE OF INVENTION: Inhibitory Polymucleotides Directed
TITLE OF INVENTION: Against the RNA Component of Telomerase
NUMBER OF SEQUENCES: 15
CORRESPONDENCE ADDRESS:
 100.0%; Score 15; DB 1; Length 19; 100.0%; Pred. No. 1.4e+02; Live 0; Mismatches 0; Indels
 ZIP: 9411-3834

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SOFTWARE: PATCHIN Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: PCT/US97/23619
FILING DATE: Not yet assigned
 NUMBER OF SEQUENCES: 29
CORRESPONDENCE ADDRESS:
ADDRESSE: Townsend and Townsend and Crew LLP
STREET: Two Embarcadero Center, Eighth Floor
CITY: San Francisco
STREE: California
 NAME/KEY: -

LOCATION: 1..19

COTHER INFORMATION: /note= "oligo 21ab"

PCT-US97-23619-9
 NAME: SCORELLA, JOHN R.
REGISTRATION NUMBER: 32,944
REPERENCE/DOCKET NUMBER: 15389-27PC
TELEPHONE: (415) 576-0200
TELEPHONE: (415) 576-0300
INFORMATION FOR SEQ ID NO: 9:
SEQUENCE CHARACTERISTICS:
LENGTH: 19 base pairs
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APPLICATION NUMBER: US 08/770,564
FILING DATE: 20-DEC-1996
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FILING DATE: 20-DEC-1996
ATTORNEY/AGENT INFORMATION:
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APPLICANT:
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TITLE OF INVENTION:
 TOPOLOGY: linear MOLECULE TYPE: DNA
 CLASSIFICATION:
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US-08-770-564A-9
 COUNTRY:
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Gaps .; 0

Indels

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APPLICANT: VILLEPONTEAU, BRYANT
APPLICANT: FENG, JUNLI
APPLICANT: FENG, JUNLI
APPLICANT: ADARS ROBERT R.
TITLE OF INVENTION: METHODS AND REAGENTS FOR REGULATING
TITLE OF INVENTION: TELOMERE LENGTH AND TELOMERASE ACTIVITY
NUMBER OF SEQUENCES: 27
CORRESPONDENCE ADDRESS:
ADDRESSEE: GERON CORPORATION
 COUNTRY: CALL CARDADE

ZIP: 94025

ZIP: 94025

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FILING DATE: 13-SEP-1996
CLASSIFICATION:
ATTORNEY/AGENT INFORMATION:
NAME: RASTER ESQ., KEVIN R.
REGISTRATION NUMBER: 32,704
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 Sequence 27, Application PC/TUS9614679A GENERAL INFORMATION:
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STREET: 200 CONSTITUTION DRIVE
CITY: MENLO PARK
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; FEATURE:
; OTHER INFORMATION: Description of Unknown Organism:R3c, Primer
US-09-642-177-4
 APPLICANT: VILLEPONTEAU, BRYANT
APPLICANT: FENG, JUNLI
APPLICANT: ANDREWS, WILLIAM H.
APPLICANT: ADAMS, ROBERT M.
ADABERSEE: GENON CORPORATION
STREET: 200 CONSTITUTION DRIVE
 Length 25;
 Indels
 GENERAL INFORMATION:
APPLICANT: STROVEL, Jeffrey W.
APPLICANT: STROVEL, Judith
APPLICANT: ABRUZZO, Lynne V.
APPLICANT: HIGHSMITH, EGWARA
ITTLE OF INVENTION: TELOMERASE ASSAY OF BODY FLUIDS
FILE REFERENCE: 10460-401 (210460.0019)
CURRENT APPLICATION NUMBER: US/09/642,177
CURRENT FILING DATE: 2000-08-18
PRIOR APPLICATION NUMBER: US 60/074,793
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PRIOR PILING DATE: 1999-02-16
PRIOR APPLICATION NUMBER: PCT/US99/03302
PRIOR FILING DATE: 1999-02-16
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PRIOR FILING DATE: 1999-02-16
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SEQ ID NO 4
 SOFTWARE: PATENTIN Release #1.0, Version #1.30 CURRENT APPLICATION DATA:
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Pred. No. 1.4e+02;
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13-SEP-1996
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 Sequence 27, Application PC/TUS9614679 GENERAL INFORMATION:
 COUNTRY: U.S.A.
ZIP: 94025
COMPUTER READABLE FORM:
COMPUTER: Floppy disk
COMPUTER: IBM PC compatible
COPERATING SYSTEM: PC-DOS/MS-DOS/M
 Sequence 4, Application US/09642177 GENERAL INFORMATION:
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 ATTORNEY/AGENT INFORMATION:
NAME: KASTER ESQ., KEVIN R.
REGISTRATION NUMBER: 32,704
 REFERENCE/DOCKET NUMBER: 0.
TELECOMMUNICATION INFORMATION
TELEPHONE: (415) 473-7779
 Query Match
Best Local Similarity 100.0%;
Matches 15; Conservative 0
 1 GCTCTAGAATGAACG 15
 GCTCTAGAATGAACG 18
 CLASSIFICATION:
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 Sequence 23, Application US/08272102
GENERAL INFORMATION:
APPLICANT: VILLEPONTEAU, Bryant
APPLICANT: FENG, Junii
APPLICANT: FING, Junii
APPLICANT: ANDREWS, William H.
TITLE OF INVENTION: HUMAN TELOMERASE
NUMBERSONDENCE ADDRESS:
ADDRESSEE: Townsend and Townsend Khourie and Crew
 COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
COMPTING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/272,102
FILING DATE: 07-JUL-1994
CLASSIFICATION: 435
ATTORNEY/AGENT INFORMATION:
NAME: Smitch, William M
REGISTRATION NUMBER: 30,223
 100.0%; Score 15; DB 6; L
100.0%; Pred. No. 1.4e+02;
tive 0; Mismatches 0;
 Query Match
100.0%; Score 15; DB 1; 1
Best Local Similarity 100.0%; Pred. No. 1.4e+02;
Matches 15; Conservative 0; Mismatches 0;
 REFERENCE/DOCKET NUMBER: 15389-000800
TELECOMMUNICATION INFORMATION:
TELEPHONE: (415) 326-2400
TELEFAX: (415) 326-2422
 NUMBER OF SEQ ID NOS: 15
SOFTWARE: FastSEQ for Windows Version 3.0
SEQ ID NO 4
LENGTH: 26
 EARLIER FILING DATE: 1998-04-06
 379 Lytton Avenue
 TYPE: DNA
ORGANISM: Artificial Sequence
 5 ścrcragarcaace 19
 1 GCTCTAGAATGAACG 15
 Query Match
Best Local Similarity 100...
Local Similarity 100...
Local Similarity 100...
 TELEFAX: (415) 326-2422
INFORMATION FOR SEQ ID NO:
 ; OTHER INFORMATION: primer PCT-US99-07533-4
 SEQUENCE CHARACTERISTICS
LENGTH: 26 base pairs
 STRANDEDNESS: single
 CITY: Palo Alto
STATE: California
 linear
 ; MOLECULE TYPE: DNA
US-08-272-102-23
 RESULT 13
US-08-387-524-19
 US-08-272-102-23
 COUNTRY:
 STREET:
 FEATURE:
 RESULT 12
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 ö
 ö
 APPLICANT: Strovel, Jeffrey W
APPLICANT: Stamberg, Judith
APPLICANT: Stamberg, Judith
APPLICANT: Stamberg, Judith
APPLICANT: Habrazo, Lynne v
APPLICANTON: Telomerase Assay of Body Fluids for Cancer Screening
TITLE OF INVENTION: and Assessment of Disease Stage and Prognosis
FILE REPERENCE: 148912 60/074,793
CURRENT PILING DATE: 1999-02-16
EARLIER APPLICATION NUMBER: 60/074,793
 Gaps
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 Score 15; DB 1; Length 26;
Pred. No. 1.4e+02;
 OTHER INFORMATION: Description of Artificial Sequence: R3c, OTHER INFORMATION: synthesized, Gibco-BRL PCT-US99-03302-4
 Score 15; DB 1; Length 26;
Pred. No. 1.4e+02;
 Sequence 4, Application PC/TUS9907533
GENERAL INFORMATION:
GENERAL INFORMATION:
APPLICANT: THE JOHNS HOPKINS UNIVERSITY SCHOOL OF MEDICINE
TITLE OF INVENTION: TELOWERASE-ASSOCIATED PROTEINS
FILE REFERENCE: 07265/157W01
CURRENT APPLICATION NUMBER: PCT/US99/07533
CURRENT FILING DATE: 1999-04-06
EARLIER APPLICATION NUMBER: 60/080,783
EARLIER PILING DATE: 1999-04-06
NUMBER OF SEQ ID NOS: 15
SOFTWARE: FastSEQ for Windows Version 3.0
 GEQUENCE 4, Application PC/TUS9907533A
GENERAL INFORMATION:
APPLICANT: THE JOHNS HOPKINS UNIVERSITY SCHOOL OF MEDICINE
TITLE OF INVENTION: TELOMERASE-ASSOCIATED PROTEINS
FILE REPERENCE: 07265/157W01
CURRENT APPLICATION NUMBER: PCT/US99/07533A
CURRENT APPLICATION NUMBER: 60/080,783
 Indels
 Indels
 Query Match 100.0%; Score 15; Di
Best Local Similarity 100.0%; Pred. No. 1.4
Matches 15; Conservative 0; Mismatches
 0; Mismatches
Sequence 4, Application PC/TUS9903302 GENERAL INFORMATION:
 100.0%;
 ORGANISM: Artificial Sequence
 ORGANISM: Artificial Sequence
 1 GCTCTAGAATGAACG 15
 1 GCTCTAGAATGAACG 15
 s cereragaargaace 19
 SOFTWARE: Patentin Ver. 2.0
SEQ ID NO 4
LENGTH: 26
 Query Match
Best Local Similarity 100.0
Matches 15, Conservative
 FEATURE:
OTHER INFORMATION: primer
 NUMBER OF SEQ ID NOS:
 PCT-US99-07533-4
 PCT-US99-07533-4
 PCT-US99-07533-4
 SEQ ID NO 4
LENGTH: 26
 TYPE: DNA
 TYPE: DNA
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Length 26;
 STATE:

COUNTRY:
USA

ZIP: 94111-1834

ZIP: 94111-1834

COMPUTER EADABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
COMPUTER: IBM PC compatible
SOFTWARE: ParentIn Release #1.0, Version #1.30

CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/472,802B
FTLING DATE: 07-1011-1995
FTLING DA
 COMPUTER: DEM PEDOPY disk
COMPUTER: IBM PC COMPATIBLE
COMPUTER: IBM PC COMPATIBLE
COMPUTER: IBM PC COMPATIBLE
COMPANIOS SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/472,802A
FILING DATE: 07-JUN-1995
FILING APPLICATION DATE: US/08/472,102
FILING DATE: 07-JUL-1994
PRIOR APPLICATION NUMBER: US 08/330,123
FILING DATE: 27-OCT-1994
ATTORNEY/AGENT INFORMATION:
REGISTRATION NUMBER: 132,944
REFERENCE/DOCKET NUMBER: 15389-000820
TELECOMMUNICATION INFORMATION:
 E: Townsend and Townsend and Crew LLP
Two Embarcadero Center, Eighth Floor
 100.0%; Score 15; DB 8;
100.0%; Pred. No. 1.4e+02
tive 0; Mismatches 0
 Sequence 24, Application US/08472802B
GENERAL INFORMATION:
APPLICANT: Villeponteau, Bryant
APPLICANT: Feng, Junil
APPLICANT: Andrews, William H.
TITLE OF INVENTION: Mammalian Telomerase
NUMBER OF SEQUENCES: 43
CORRESPONDENCE ADDRESS:
 FILING DATE: 07-UN-1995
CLASSIFICATION: 514
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/272,102
FILING DATE: 07-UL-1994
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/330,123
FILING DATE: 27-OCT-1994
 TELERAX: (415) 576-0300
INFORMATION FOR BEQ ID NO: 2
SEQUENCE CHARACTERISTICS:
LENGTH: 26 base pairs
TYPE: nucleic acid
 Query Match 100.0
Best Local Similarity 100.0
Matches 15; Conservative
 COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy
 CITY: San Francisco
STATE: California
 ADDRESSEE:
 RESULT 15
US-08-472-802B-24
 US-08-472-802A-24
 STREET:
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0
 APPLICANT: FUNK, WALL,
APPLICANT: FUNK, WALL,
APPLICANT: Greider, Carol
APPLICANT: Marhuenda, Maria A. B.
APPLICANT: Villeponteau, Bryant
TITLE OF INVENTION: RNA Component of Telomerase
NUMBER OF SEQUENCES: 42
CORRESPONDENCE ADDRESS:
ADDRESSEE: Hamilton, Brook, Smith & Reynolds, P.C.
STREET: Two Militia Drive
CITY: Lexington
MA
 0; Indels
 COMPUTER REALABLE FORM:
COMPUTER: IBM PC compatible
COMPUTER: IBM PC compatible
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COMPUTER: IBM PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/387,524
FILING DATE: 13-FEB-1995
CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/330,123
FILING DATE: 27-OCT-1994
PRIOR APPLICATION NUMBER: US 08/272,102
FILING DATE: US-DOS NUMBER: US 08/272,102
FILING DATE: US-JUL-1994
ATTORNEY/AGENT INFORMATION:
NAME: Granahan, Patricial
REGISTRATION NUMBER: 32,227
REFERRENCE/DOCKET NUMBER: 32,227
TELECOMMUNICATION INFORMATION:
TELECOMMUNICATION INFORMATION:
TELECOMMUNICATION INFORMATION:
TELECOMMUNICATION INFORMATION:
TELEFAX: 617-861-6240
 Score 15; DB 7; I
Pred. No. 1.4e+02;
; Mismatches 0;
 SEE: Townsend and Townsend and Crew LLP
Two Embarcadero Center, Bighth Floor
San Francisco
 Sequence 24, Application US/08472802A
GENERAL INFORMATION:
APPLICANT: Vileponteau, Bryant
APPLICANT: Feng, Juni
APPLICANT: Feng, Juni
APPLICANT: Funk, Walter
APPLICANT: Funk, Walter
TILE OF INVENTION: Mammalian Telomerase
NUMBER OF SEQUENCES: 40
CORRESPONDENCE ADDRESS:
STREET: Two Embarcadero Center, Eighth Fli
Application US/08387524
 Andrews, William H. Avilion, Ariel A.
 100.0%;
 TELEFAX: 617-861-9540
INFORMATION FOR SEQ ID NO: 19:
SEQUENCE CHARACTERISTICS:
 MOLECULE TYPE: DNA (genomic) US-08-387-524-19
 Query Match 100.
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Matches 15; Conservative
 LENGTH: 26 base pairs
 TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
 California
 US-08-472-802A-24
 CITY: STATE:
 Sequence 19,
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8, Appli

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Sequence 15,

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Sequence 49, Appl
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 Sequence 40, App
Sequence 12, Appl
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 Andrews, William H.
TITLE OF INVENTION: HUMAN TELOMERASE CATALYTIC SUBUNIT:
THERAPEUTIC METHODS
 COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
COMPUTER: IBM PC compatible
COMPUTER: Ploppy disk
COMPUTER: Ploppy disk
COMPUTER: DATE: Ploppy disk
SOFTWARE: PatentIn Release #1.0, Version #1.30
CURRINT APPLICATION NUMBER: US/10/044,692
FILING DATE: 11-Jan-2002
CLASSIFICATION: AUNKNOWN>
PRIOR APPLICATION: AUNKNOWN>
PRIOR APPLICATION NUMBER: US 08/854,050
FILING DATE: OUNWER: US 08/854,050
FILING DATE: 09-MAY-1997
APPLICATION NUMBER: US 08/851,843
FILING DATE: S-APR-1997
APPLICATION NUMBER: US 08/846,017
FILING DATE: S-APR-1997
APPLICATION NUMBER: US 08/844,419
FILING DATE: S-APR-1997
APPLICATION NUMBER: US 08/844,419
 CORRESPONDENCE ADDRESS:
ADDRESSEE: Townsend and Townsend and Crew LLP STREBT: Two Embarcadero Center, 8th Floor CITY: San Francisco STATE: California COUNTRY: United States of America ZIP: 94111
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 ALIGNMENTS
 Sequence 312, Application US/10044692
Publication No. US20030096344A1
GENERAL INFORMATION:
APPLICANT: Cech, Thomas R.
Ingner, Joachim
Nakamura, Toru
Chapman, Karen B.
Morin, Gregg B.
Harley, Calvin
 NUMBER OF SEQUENCES: 335
 RESULT 1
US-10-044-692-312
 Sequence 23, Appl
Sequence 118949,
Sequence 19, Appl
Sequence 3, Appl
Sequence 31, Appl
Sequence 6862, Ap
Sequence 64498, A
Sequence 15, Appl
Sequence 13, Appl
Sequence 2, Appli
Sequence 2, Appli
Sequence 2, Appli
Sequence 3, Appli
Sequence 3, Appli
Sequence 3, Appli
Sequence 10750, A
 Sequence 312, App
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Sequence 23, Appl
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 GenCore version 5.1.6
Copyright (c) 1993 - 2003 Compugen Ltd.
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US-10-011-36-16
US-09-957-868-13
US-09-952-522B-9
US-10-245-813-2
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 US-10-098-263B-33532
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 US-10-044-692-312
US-10-044-539-312
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 Post-processing: Listing first 45 summaries
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Gapop_60.0 , Gapext 60.0
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 US-08-770-564A-10
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Match Length
 Minimum DB seq length: 0 Maximum DB seq length: 50
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Length 26;
 COUNTRY: USA
ZIP: 94111-3834
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/057,351
NAME: Apple, Randolph T.
REGISTRATION NUMBER: 36,429
REFERENCE/DOCKET NUMBER: 015389-002600US
TELECOMMUNICATION INFORMATION:
 ADDRESSEE: Townsend and Townsend and Crew LLP STREET: Two Embarcadero Center, Eighth Floor CITY: San Francisco STATE: California
 100.0%; Score 15; DB 9; 100.0%; Pred. No. 5.1;
 APPLICATION NUMBER: US/09/057,351
PILING DATE: 08-APR-1994
CLASSIPICATION 0ATA:
CLASSIPICATION 0ATA:
APPLICATION NUMBER: US 08/272,102
FILING DATE: 07-UUL-1994
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/330,123
FILING DATE: 27-OCT-1994
PRIOR APPLICATION NUMBER: US 08/472,802
FILING DATE: 07-UUN-1995
ATTORNEY/AGENT INFORMATION:
NAME: Storella, John R.
REGISTRATION NUMBER: 32,944
REFERENCE/DOCKET NUMBER: 015389-000821US
TELECOMMUNICATION INFORMATION:
 Sequence 23, Application US/09057351
Patent No. US20010034439A1
GENERAL INFORMATION:
APPLICANT: Villeponteau, Bryant
APPLICANT: Feng, Juni;
APPLICANT: Funk, Walter
APPLICANT: Funk, Walter
TITLE OF INVENTION: Mammalian Telomerase
NUMBER OF SEQUENCES: 42
CORRESPONDENCE ADDRESS:
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 TOPOLOGY: linear
MOLECULE TYPE: DNA
SEQUENCE DESCRIPTION: SEQ ID NO: 312:
 TELEPHONE: (415) 576-020
TELEFAX: (415) 576-0300
INFORMATION FOR SEQ ID NO: 312:
SEQUENCE CHARACTERISTICS:
LENGTH: 26 base pairs
 TYPE: nucleic acid
STRANDEDNESS: single
 1 GCTCTAGAATGAACG 15
 26 base pairs
 leic acid
 Best Local Similarity
Matches 15; Conserv
 STRANDEDNESS:
 US-10-044-539-312
 STATE: C. COUNTRY:
 US-09-057-351-23
 Query Match
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 g
 AAL INFORMATION:
APPLICANT: Cech, Thomas R.
Lingmer, Joachim
Nakamura, Toru
Chapman, Karen B.
Morin, Greeg B.
Harley, Calvin
Andrews, William H.
TITLE OF INVENTION: THERAPEUTIC METHODS
 Gaps
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0
 Indels
 MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC Compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NAMER: US/10/044,539
FILING DATE: 11-Jan-2002
CLASSIFICATION: 435
 CORRESPONDENCE ADDRESS:
ADDRESSEE: Townsend and Townsend and Crew LLP
STREET: Two Embarcadero Center, 8th Floor
 NAME: Apple, Randolph T.
REGISTRATION NUMBER: 36,429
REFERENCE/DOCKET NUMBER: 015389-002600US
TELECOMMUNICATION INFORMATION:
 ;
0
 DB 9;
 APPLICATION NUMBER: 08/912,951
FILING DATE: «Unknown»
APPLICATION NUMBER: US 08/854,050
FILING DATE: 09-MAY-1997
APPLICATION NUMBER: US 08/851,843
FILING DATE: 06-MAY-1997
APPLICATION NUMBER: US 08/846,017
FILING DATE: 25-APR-1997
APPLICATION NUMBER: US 08/844,419
 CITY: San Francisco
STATE: California
COUNTRY: United States of America
 Mismatches
 APPLICATION NUMBER: US 08/724,643
 MOLECULE TYPE: DNA
SEQUENCE DESCRIPTION: SEQ ID NO: 312:
 Score 15;
Pred. No.
 Sequence 312, Application US/10044539 Publication No. US20030100093A1 GENERAL INFORMATION:
 TELEPHONE: (415) 576-0200
TELEFAX: (415) 576-0300
INFORMATION FOR SEQ ID NO: 312:
 FILING DATE: 01-OCT-1996 ATTORNEY/AGENT INFORMATION:
 ATTORNEY/AGENT INFORMATION
 LENGTH: 26 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
 Query Match
Best Local Similarity 100.0%;
Matches 15; Conservative 0
 SEQUENCE CHARACTERISTICS
 1 GCTCTAGAATGAACG 15
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 ZIP: 94111
COMPUTER READABLE FORM:
 PRIOR APPLICATION DATA
 TOPOLOGY: linear
 US-10-044-692-312
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Gaps

us-08-770-564a-10.oligo.rnpb

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0
 APPLICANT: Benhaim, Prosper
APPLICANT: Benhaim, Prosper
APPLICANT: Lorenz, Hermann Peter
APPLICANT: Lorenz, Hermann Peter
APPLICANT: Shu, Min
TITLE OF INVENTION: ADIPOSE-DERIVED STEM CELLS AND LATTICES
FILE REFERENCE: 30448.770S11
CURRENT APPLICATION NUMBER: US/09/952,522B
CURRENT FILING DATE: 2001-09-10;
PRIOR APPLICATION NUMBER: PCT/US00/06232
PRIOR PILING DATE: 2000-03-10
PRIOR FILING DATE: 1999-03-10
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PRIOR PILING DATE: 1999-10-29
 DB 10; Length 28; 82;
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US-09-844-006A-3
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Best Local Similarity 100.0%; Pred. No. 82;
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Pred. No.
 ; Sequence 17, Application US/09952522B
; Publication No. US20030082152A1
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100.0%; Pre-
0; '
 Futrell, J. William
Hedrick, Marc H.
Benhaim, Prosper
Lorenz, Hermann Peter
 TYPE: DNA ORGANISM: Artificial Sequence
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 Query Match 86.7
Best Local Similarity 100.
Matches 13; Conservative
 GENERAL INFORMATION:
APPLICANT: Katz, Adam J.
APPLICANT: Llull, Ramon
 NUMBER OF SEQ ID NOS: 58
SOFTWARE: Patentin Ver.
 NAME/KEY: misc feature
 RESULT 7
US-09-952-522B-17
 US-09-952-522B-19
 SEQ ID NO 3
LENGTH: 28
 APPLICANT:
APPLICANT:
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 ö
 Gaps
 Gaps
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0
 JENERAL INFORMATION:
JAPULICANT: Katz, Adam J.
JAPULICANT: Lill, Ramon J.
JAPULICANT: Lill, Ramon J.
JAPULICANT: Futrell, J. William
JAPULICANT: Futrell, J. William
JAPULICANT: Hedrick, Marc H.
JAPULICANT: Benhaim, Prosper
JAPULICANT: Benhaim, Prosper
JAPULICANT: Benhaim, Prosper
JAPULICANT: Lahu, Min
JILLE OF INVENTION: ADIPOSE-DERIVED STEM CELLS AND LATTICES
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JELE OF INVENTION: ADIPOSE-DERIVED STEM
JEL OF STEMP APPLICATION NUMBER: PCT/USO0/06232
JERIOR FILING DATE: 1999-03-10
JERIOR FILING DATE: 1999-10-29
 US-10-098-263B-118949/C

Sequence 118949, Application US/10098263B

Publication No. US2030104410A1

GENERAL INFORMATION:

APPLICANT: Mittman, Michael

TITLE OF INVENTION: Human Microarray

FILE REFERENCE: 3118.1

CURRENT APPLICATION NUMBER: US/10/098,263B

CURRENT PILING DATE: 2003-01-08

PRIOR APPLICATION NUMBER: 60/276,759

PRIOR PILING DATE: 2001-03-16

NUMBER OF SEQ ID NOS: 131066

SOFTWARE: Microarray Probe Sequence Lieting Generator V 1.1

LENGTH: 25
 Score 15; DB 10; Length 26;
Pred. No. 5.1;
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OTHER INFORMATION: Description of Artificial Sequence: Bone
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 0; Indels
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 Score 13; DB 9; Pred. No. 82; 0; Mismatches
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 09-952-5228-19
Sequence 19, Application US/09952522B
Publication No. US20030082152A1
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 86.7%;
 TYPE: DNA
ORGANISM: Artificial Sequence
 1 GCTCTAGAATGAACG 15
 Query Match
Best Local Similarity 100.0
Matches 15; Conservative
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Matches 13; Conservative
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) ORGANISM: Homo sapien
US-10-098-2638-118949
; TOPOLOGY: linear; MOLECULE TYPE: DNA US-09-057-351-23
 SEQ ID NO 19
LENGTH: 26
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 셤
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Gaps

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TYPE: DNA
ORGANISM: Artificial Sequence
FEATURE:
 SEQ ID NO 64498
LENGTH: 25
 TYPE: DNA
 Query Match
 RESULT 11
 요
 ò
 셤
 ò
 ö
 Gaps
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) OTHER INFORMATION: Description of Artificial Sequence: Osteopontin; OTHER INFORMATION: forward primer US-09-952-522B-17
 ö
 ;
0
 CHERACH INTEGRATION:
APPLICANT: Katz, Adam J.
APPLICANT: Llull, Ramon
APPLICANT: Futrell, J. William
APPLICANT: Hedrick, March
APPLICANT: Hedrick, March
APPLICANT: Berhaim, Prosper
APPLICANT: Lorenz, Hermann Peter
APPLICANT: Lorenz, Hermann Peter
APPLICANT: Lorenz, Hermann Peter
APPLICANT: Lorenz, Hermann Peter
APPLICANT: Lau, Min
TITLE OF INVENTION: ADIPOSE-DERIVED STEM CELLS AND LATTICES
FILE REFERENCE: 30448.770511
CURRENT APPLICATION NUMBER: US/09/952,522B
CURRENT FILING DATE: 2001-09-10
PRIOR FILING DATE: 2001-03-10
PRIOR FILING DATE: 1999-03-10
PRIOR FILING DATE: 1999-03-10
PRIOR APPLICATION NUMBER: 60/123,711
PRIOR FILING DATE: 1999-10-29
NUMBER OF SEQ ID NOSS: 58
SOFTWARE: PATENTIN VET. 2.1
 Sequence 6862, Application US/10215112
| Publication No. US20030082596A1
| GENERAL INPORMATION:
| APPLICANT: Michael Mittmann
| TITLE OF INVENTION: Method of Genetic Analysis of Probes:
| TITLE OF INVENTION: Nethod of Genetic Analysis of Probes:
| TITLE OF INVENTION: Method of Genetic Analysis of Probes:
| TITLE OF INVENTION: Method of Genetic Analysis of Probes:
| TITLE OF INVENTION: NO HOUSE: US/10/215,112
| CURRENT APPLICATION NUMBER: US/10/215,112
| CURRENT FILING DATE: 2002-08-08
| SOFTWARE: PESCE ID NOS: 14936
| SOFTWARE: PESCES FOR Windows Version 4.0
| SEASO ID NO 6862
| LENGTH: 25
 80.0%; Score 12; DB 9; Length 23; 100.0%; Pred. No. 3.3e+02;
 DB 9; Length 23, 3.3e+02;
 0; Indels
 0; Mismatches
 Query Match 80.0%; Score 12; DB Best Local Similarity 100.0%; Pred. No. 3.: Matches 12; Conservative 0; Mismatches
 Application US/09952522B
 TYPE: DNA ORGANISM: Artificial Sequence
 TYPE: DNA
ORGANISM: Artificial Sequence
FEATURE:
 US20030082152A1
 Query Match
Best Local Similarity 100.
Matches 12; Conservative
 1 GCTCTAGAATGA 12
 1 GCTCTAGAATGA 12
 1 GCTCTAGAATGA 12
 GCTCTAGAATGA 12
 US-10-215-112-6862/c
 SEQ ID NO 31
LENGTH: 23
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APPLICANT: Williams, James A.
Kink, John A.
TITLE OF INVENTION: IDENTIFICATION OF NEUTRALIZING EPITOPES
OF TOXIN A AND TOXIN B FOR THE TREATMENT OF C. DIFFICILE
 ö
 ;
0
 APPLICANT Mitthen, Michael
TITLE OF INVENTION: Human Microarray
FILE REPRENCE: 3118.1
CURRENT APPLICATION WHERE: US/10/098,263B
CURRENT FILING DATE: 2003-01-08
FRIOR APPLICATION WHERE: 60/276,759
PRIOR FILING DATE: 2001-03-16
SOFTWARE: Microarray Probe Sequence Listing Generator V 1.1
 Length 25;
 Length 25;
 PatentIn Release #1.0, Version #1.30
 CORRESPONDENCE ADDRESS:
CORRESPONDENCE ADDRESSE: Medlen & Carroll
STREET: 220 Montgomery Street, Suite 2200
CITY: San Francisco
CITY: San Francisco
STATE: California
COUNTRY: United States of America
ZIP: 94104
COMPUTER READABLE FORM:
 CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/10/011,366
FILING DATE: 16-No. US20030054493A1-2001
CLASSIFICATION: CURKNOWN>
 DB 9; Le
 Score 12; DB 9; L. Pred. No. 3.3e+02;
; OTHER INFORMATION: Synthetic Oligonucleotide.
US-10-215-112-6862
 PRIOR APPLICATION DATA:
APPLICATION NUMBER: US/08/957,310
 Mismatches
 0; Mismatches
 MEDIUM TYPE: Floppy disk COMPUTER: IBM PC compatible OPERATING SYSTEM: PC-DOS/MS-DOS SOFTWARE: Patentin Release #1.0,
 80.0%; Score 12; 100.0%; Pred. No.
 Sequence 64498, Application US/10098263B Publication No. US20030104410A1 GENERAL INFORMATION:
 US-10-011-366-16; Sequence 16, Application US/10011366; Publication No. US20030054493A1; GENERAL INFORMATION:
 DISEASE
 80.08;
 NUMBER OF SEQUENCES:
 Query Match
Best Local Similarity 100.
Matches 12, Conservative
 Conservative
 3 TCTAGAATGAAC 14
 23. rcracaargaac 12
 1 GCTCTAGAATGA 12
 15 GCTCTAGAATGA 4
 , ORGANISM: Homo sapien
US-10-098-263B-64498
 Best Local Similarity
Matches 12; Conserv
 RESULT 10
US-10-098-263B-64498/c
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Gaps
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 APPLICANT: Katz, Adam J.
APPLICANT: Liuli, Ramon
APPLICANT: Liuli, Ramon
APPLICANT: Liuli, Ramon
APPLICANT: Hedrick, Marc H.
APPLICANT: Hedrick, Marc H.
APPLICANT: Benhaim, Prosper
APPLICANT: Lorenz, Hermann Peter
APPLICANT: Zhu, Min.
APPLICANT: Zhu, Min.
APPLICANT: Zhu, Min.
APPLICANT: LORENZ, Hermann Peter
APPLICANT: LORENZ, Hermann Peter
APPLICANT: LORENZ, Hermann Peter
APPLICANT: LORENZ, MINERE: 109/952,522B
CURRENT APPLICATION NUMBER: PCT/USOO/06232
PRIOR APPLICATION NUMBER: 60/123,711
PRIOR APPLICATION NUMBER: 60/123,711
PRIOR APPLICATION NUMBER: 60/162,462
PRIOR APPLICATION NUMBER: 60/162,462
PRIOR APPLICATION DATE: 1999-10-29
 APPLICANT: Tang, Xiao-Song
TITLE OF INVENTION: BLOPRODUCTION OF PARA-HYDROXYCINNAMIC ACID
FILE REFERENCE: BC1009 US CIP
CURRENT APPLICATION NUMBER: US/09/765,873A
CURRENT FILING DATE: 2001-01-19
PRIOR APPLICATION NUMBER: US 09/627,216
PRIOR PILING DATE: 2000-07-27
PRIOR APPLICATION NUMBER: US 60/147,719
PRIOR FILING DATE: 1999-08-06
 73.3%; Score 11; DB 10; Length 22; 100.0%; Pred. No. 1.3e+03;
 Length 21;
 Indels
 0; Indels
 DB 9; L
 73.3%; Scc. 100.0%; Pred. No. ... 0; Mismatches
 Mismatches
 TOPOLOGY: Linear
SEQUENCE DESCRIPTION: SEQ ID NO: 13:
 Sequence 5, Application US/09765873A Patent No. US20010053847A1 GENERAL INFORMATION:
 Sequence 9, Application US/09952522B Publication No. US20030082152A1 GENERAL INFORMATION:
 73....
100.0%; Fig.
 LENGTH: 21 base pairs
 TELEFAX: 650/952-988:
INFORMATION FOR SEQ ID NO: 13:
SEQUENCE CHARACTERISTICS:
 TYPE: Nucleic Acid
STRANDEDNESS: Single
 NUMBER OF SEQ ID NOS: 38
SOFTWARE: Microsoft Office 97
SEQ ID NO 5
 Query Match 100.
Best Local Similarity 100.
Matches 11; Conservative
 11; Conservative
 1 GCTCTAGAATG 11
 1 GCTCTAGAATG 11
 11 GCTCTAGAATG 1
 TELEPHONE:
 Query Match
Best Local Similarity
 ORGANISM: primer
 RESULT 14
US-09-952-522B-9
 US-09-997-868-13
 US-09-765-873A-5
 US-09-765-873A-5
 TYPE: DNA
 Matches
 RESULT 13
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 Gaps
 Convertase Transformed Cells and
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 DB 9; Length 26; 3.3e+02;
 0; Indels
 COMPUTER READABLE FORM:
MEDIUM TYPE: 3.5 inch, 1.44 Mb floppy disk
COMPUTER: 18M PC compactable
COMPUTER: 18M PC compactable
COMPATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: WinPatin (Genentech)
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/997,868
FILING DATE: 12-MAR-2002
CLASSIFICATION: <Unknown>
 Sequence 13, Application US/09997868
Publication No. US20030031654A1
GENERAL INFORMATION:
APPLICANT: Gorman, Cornelia M.,
Groskreutz, Debyra J.
TITLE OF INVENTION: Prohormone Convertase
 FILING DATE: 24-OCT-1994
APPLICATION NUMBER: US 08/161,907
FILING DATE: 02-DEC-1993
APPLICATION NUMBER: US 07/985,321
FILING DATE: 04-DEC-1992
FILING DATE: 31-OCT-1989
 NAME: Ingolia, Diane E.
REGISTRATION NUMBER: 40,027
REFERENCE/DOCKET NUMBER: OPHD-01121
 FILING DATE: 22-MAY-1992
APPLICATION NUMBER: 07/803631
FILING DATE: 06-DEC-1992
APPLICATION NUMBER: PCT/US92/10621
FILING DATE: 04-DEC-1992
PILING DATE: 23-OCT-1997
APPLICATION NUMBER: US 08/329,154
 0; Mismatches
 REGISTRATION NUMBER: 34,659
REFERENCE/DOCKET NUMBER: P0748P3
) MOLECULE TYPE: DNA (genomic)
; SEQUENCE DESCRIPTION: SEQ ID NO: 16:
US-10-011-366-16
 80.0%; Score 12; 100.0%; Pred. No.
 PRIOR APPLICATION DATA:
APPLICATION NUMBER: 07/887265
 ADDRESSEE: Genentech, Inc.
STREET: 1 DNA Way
CITY: South San Francisco
STATE: California
 TELECOMMUNICATION INFORMATION:
 TELECOMMUNICATION INFORMATION:
TELEPHONE: (415) 705-8410
 TELEPHONE: (415) 705-84:
TELEFAX: (415) 397-8338
INFORMATION FOR SEQ ID NO: 16:
 ATTORNEY/AGENT INFORMATION:
 ATTORNEY/AGENT INFORMATION:
 LENGTH: 26 base pairs
 TYPE: nucleic acid
STRANDEDNESS: single
 SEQUENCE CHARACTERISTICS
 CORRESPONDENCE ADDRESS
 FOPOLOGY: linear
JLE TYPE: DNA (GE
 Query Match
Best Local Similarity 100.
Matches 12; Conservative
 1 GCTCTAGAATGA 12
 NUMBER OF SEOUENCES:
 -09-997-868-13/c
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 RESULT 15
US-10-245-813-2
; Sequence 2, Application US/10245813
; Sequence 2, Application US/10245813
; Sequence 2, Application Wo. US20030060443A1
; GENERAL INFORMATION:
GENERAL INFORMATION:
APPLICANT: GVUN Min Lee
TITLE OF INVENTION: INHIBITION OF APOPTOSIS BY THE
TITLE OF INVENTION: EXPRESSION OF ANTISENSE RNA OF CASPASE-2
FILE REFERENCE: 118.19-US-01
; CURRENT APPLICATION NUMBER: US/10/245,813
; CURRENT APPLICATION NUMBER: US/10-57353
; PRIOR PILING DATE: 2001-09-17
; NUMBER OF SEQ ID NOS: 5
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 2
; LENGTH: 24
 .
0
 TYPE: DNA ORGANISM: Artificial Sequence CRGANISM: Artificial Sequence FEATURE: ... OTHER INFORMATION: Description of Artificial Sequence: human OTHER INFORMATION: osteocalcin forward primer US-09-952-5228-9
 Length 24;
 Query Match 73.3%; Score 11; DB 9; Length 23; Best Local Similarity 100.0%; Pred. No. 1.3e+03; Matches 11; Conservative 0; Mismatches 0; Indels
 0; Indels
 Ouery Match 73.3%; Score 11; DB 9; L. Best Local Similarity 100.0%; Pred. No. 1.3e+03; Matches 11; Conservative 0; Mismatches 0;
 ; FEATURE:
; OTHER INFORMATION: casp3L primer
US-10-245-813-2
 TYPE: DNA ORGANISM: Artificial Sequence
NUMBER OF SEQ ID NOS: 58
SOFTWARE: Patentin Ver. 2.1
SEQ ID NO 9
LENGTH: 23
 1 GCTCTAGAATG 11
 1 GCTCTAGAATG 11
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Db 1 ĠĊĊŢĀĠĀĀĠ 11 Search completed: June 23, 2003, 20:01:32 Job time: 120.538 secs

1 GCTCTAGAATG 11

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 Sequence 7, Sequence 17,
 Sequence
Sequence
Sequence
Sequence
Sequence
Sequence
 Sequence
Sequence
Sequence
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 Sequence
 APPLICANT: Kim, Nam Woo
APPLICANT: Wu, Fred
APPLICANT: Kealey, James T.
APPLICANT: Pruzan, Scott L.
TITLE OF INVENTION: Methods for Detecting the RNA Component of
TITLE OF INVENTION: Telomerase
 ö
 100.0%; Score 15; DB 2; Length 15; 100.0%; Pred. No. 2; tive 0; Mismatches 0; Indels
 COMPUTER READABLE FORM:
MEDIUM TYPE: Rioppy disk
COMPUTER: ISM PC compatible
CLASSIFICATION NUMBER: US/08/770,565
ATTORNEY/AGRNT INFORMATION:
NAME: Storella, John R.
REGISTRATION NUMBER: 32,944
REFRENCE/DOCKET NUMBER: 015389-002300US
TELEPHONE: 415-576.0200
 ADDRESSEE: TOWNSEND and TOWNSEND and CREW LLP
STREET: Two Embarcadero Center, 8th Floor
CITY: San Francisco
US-08-630-172-22
US-09-375-419-22
US-08-076-1438-13
PCT-US9-10631-13
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US-09-67-2164-5
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 ALIGNMENTS
 ; Sequence 10, Application US/08770565
; Patent No. 5846723
; GENERAL INFORMATION:
 1 GCTCTAGAATGAACG 15
 TELEFAX: 415-576-0300
INFORMATION FOR SEQ ID NO:
SEQUENCE CHARACTERISTICS:
LENGTH: 15 base pairs
 Query Match
Best Local Similarity 100.0
Matches 15; Conservative
 STRANDEDNESS: single
 NUMBER OF SEQUENCES: 2
CORRESPONDENCE ADDRESS:
 nucleic acid
 California
 TOPOLOGY: linear MOLECULE TYPE: DNA
 US-08-770-565-10
 US-08-770-565-10
 COUNTRY:
 ò
 Appl
Appli
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 June 23, 2003, 04:53:08; Search time 23.4861 Seconds (without alignments) 195.867 Million cell updates/sec
 Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.
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 Issued Patents NA:*

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(cgn2_6/ptodata/2/ina/6B_COMB.seq:*

(cgn2_6/ptodata/2/ina/PCTUS_COMB.seq:*

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(cgn2_6/ptodata/2/ina/PCTUS_COMB.seq:*
 GenCore version 5.1.6
Copyright (c) 1993 - 2003 Compugen Ltd.
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US-08-482-1158-23
US-08-66-678A-23
US-08-710-249-26
US-08-710-249-26
US-08-72-802C-24
US-08-72-802C-24
US-08-52-550A-19
US-08-52-550A-19
US-08-52-157A-26
US-09-26-959B-4
US-09-286-959B-4
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US-08-770-565-26
US-08-770-565-26
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 US-08-630-172-24
US-09-375-419-24
US-08-833-377-6
 PCT-US94-02107-3
 441362 segs, 153338381 residues
 SUMMARIES
 Post-processing: Listing first 45 summaries
 nucleic search, using sw model
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Gapop_60.0 , Gapext 60.0
 1 GCTCTAGAATGAACG 15
 US-08-770-564A-10
15
 Query
Match Length
 Minimum DB seq length: 0 Maximum DB seq length: 50
 0
 Scoring table:
 Score
 Perfect score:
 Word size :
 OM nucleic
 Database :
 Sequence:
 Run on:
 Result
No.
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California

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APPLICANT: Kealey, James T.
APPLICANT: Pruzan, Ronald
APPLICANT: Weinrich, Scott L.
TITLE OF INVENTION: Methods for Detecting the RNA Component of
TITLE OF INVENTION: Telomerase
 ö
 Score 15; DB 2; Length 19;
Pred. No. 1.9;
 CORRESPONDENCE ADDRESS:
ADDRESSEE: Townsend and Townsend Khourie and Crew STREET: 379 Lytton Avenue CITY: Palo Alto
 SOFTWARE: Patentin Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/770,565
FILING DATE: 20-DEC-1996
CLASSIFICATION: 435
 TOWNSEND and TOWNSEND and CREW
 Two Embarcadero Center, 8th Floor
 ATTORNEY AGENT INFORMATION:
NAME: Storella, John R.
REGISTRATION NUMBER: 32,944
REFERENCE/DOCKET NUMBER: 015389-002300US
TELECOMMUNICATION INFORMATION:
TELEPHONE: 415-576-0200
 Mismatches
 Sequence 23, Application US/08330123A
Patent No. 5583016
GENERAL INFORMATION:
APPLICANT: VILLEPONTEAU, Bryant
APPLICANT: FENG, Junit
APPLICANT: FENG, William H.
APPLICANT: HOWEN WALLER
APPLICANT: ANDREWS, William H.
TITLE OF INVENTION: HUMAN TELOMERASE
NUMBER OF SEQUENCES: 25
 MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
Sequence 9, Application US/08770565
Patent No. 5846723
GENERAL INFORMATION:
 ö
 100.0%;
 1 GCTCTAGAATGAACG 15
 Query Match
Best Local Similarity 100.
Matches 15; Conservative
 TELEFAX: 415-576-0300
INFORMATION FOR SEQ ID NO:
SEQUENCE CHARACTERISTICS
 Kim, Nam Woo
Wu, Fred
 ENGTH: 19 base pairs
 NUMBER OF SEQUENCES: 2
CORRESPONDENCE ADDRESS:
ADDRESSEE: TOWNSEND
 COUNTRY: USA
ZIP: 94111-3834
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy
 STREET: Two Embarcac
CITY: San Francisco
STATE: California
 nucleic acic
 , MOLECULE TYPE: DNA
US-08-770-565-9
 linear
 STRANDEDNESS:
 US-08-330-123A-23
 8
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Gaps
 ö
 GENERAL INFORMATION:
APPLICANT: Villeponteau, Bryant
APPLICANT: Feng, Junii
APPLICANT: Feng, Junii
APPLICANT: Fuk, Walter
APPLICANT: Puk, Walter
TITLE OF INVENTION: Telomerase
VIMBER OF SEQUENCES: 40
CORRESPONDENCE ADDRESS:
ADDRESSEE: Townsend and Townsend and Crew LLP
 Indels
 OPTWARE: Patentin Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/330,123A
FILING DATE: 27-0CT-1994
CLASSIFICATION NUMBER: US/08/330,123A
FILING DATE: 07-0CT-1994
ATOMENEY AGENT: NPORMATION:
APPLICATION NUMBER: US 08/272,102
FILING DATE: 07-JUL-1994
ATOMENEY AGENT: NPORMATION:
NAME: SMITH, William M
REGISTRATION NUMBER: 15389-000810
TELEPHONE: (415) 326-2400:
TELEPHONE: (415) 326-2400:
TELEPRATION FOR SEQ ID NO: 23:
SEQUENCE CHARACTERISTICS:
 SOFTWARE: Patentin Release #1.0, Version #1.30 CURRENT APPLICATION DATA:
 ADDRESSEE: Townsend and Townsend and Crew LLP STREET: Two Embarcadero Center, Eighth Floor CITY: San Francisco STATE: California COUNTRY: USA ZIP: 94111-3834
 Mismatches
 UMBER: US/08/482,115B
07-JUN-1995
 FILING DATE: 07-JUN-1995
CLASSIFICATION: 435
RICR APPLICATION DATE:
APPLICATION NUMBER: US 08/272,102
FILING DATE: 07-JUL-1994
PRICR APPLICATION DATE: 07-JUL-1994
APPLICATION NUMBER: US 08/330,123
 ZIP: 94111-3834
COMPUTER REALABLE FORM:
MEDIUM TYPE: Floppy disk
CMEDUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
 US-08-482-115B-23
; Sequence 23, Application US/08482115B
; Patent No. 5776679
 ö
 COMPUTER: Floppy disk COMPUTER: IBM PC compatible OPERATING SYSTEM: PC-DOS/MS-COMPUTED:
 100.0%;
 GCTCTAGAATGAACG 19
 1: 26 base pairs
nucleic acid
DEDNESS: single
 Conservative
ZIP: 94301
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy
 APPLICATION NUMBER:
 Query Match
Best Local Similarity
Matches 15; Conserva
 linear
 STRANDEDNESS:
 US-08-330-123A-23
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Gaps
 Gaps
 ö
 ;
0
 GENERAL INFORMATION:
APPLICANT: Villeponteau, Bryant
APPLICANT: Feng, Jun1i
APPLICANT: Andrews, William H.
APPLICANT: Andrews, William H.
APPLICANT: Andrews, William H.
TITLE OF INVENTION: Methods and Reagents for Regulating
TITLE OF INVENTION: Telomere Length and Telomerase Activity
NUMBER OF SEQUENCES: 26
CORRESPONDENCE ADDRESS:
 Score 15; DB 2; Length 26;
Pred. No. 1.9;
 DB 2; Length 26;
 Indels
 0; Indels
 CURRENT APPLICATION DATA:
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/710,249
FILING DATE: 13-SEP-1996
CLASSIPICATION: 536
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US/08/583,808
FILING DATE: 05-JAN-1996
PRIOR APPLICATION NUMBER: US/08/583,808
FILING DATE: 05-JAN-1996
PRIOR APPLICATION NUMBER: US/0/03,492
ATTORNEY/AGENT INFORMATION:
NAME: SLOTella, JOHN R.
REGISTRATION NUMBER: 015389-001220US
TELECOMMUNICATION INFORMATION:
NAME: SLOCKET NUMBER: 015389-001220US
 ADDRESSEE: Townsend and Townsend and Crew LLP
STREET: Two Embarcadero Center, Eighth Floor
STRTY: San Francisco
STATE: California
 100.0%; Score 15; DB; 100.0%; Pred. No. 1.9;
 Mismatches
 Mismatches
 ZIP: 94111-3834

COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
 Sequence 26, Application US/08710249 Patent No. 5858777
 ; Sequence 19, Application US/08485778
 ö
 ö
 TELEPHONE: (415) 576-0200
TELEPAX: (415) 576-0300
INFORMATION FOR SEQ ID NO: 26: SEQUENCE CHARACTERISTICS:
LENGTH: 26 base pairs
 1 GCTCTAGAATGAACG 15
 5 GCTCTAGAATGAACG 19
 GCTCTAGAATGAACG 19
 Query, Match
Best Local Similarity 100.(
Matches 15; Conservative
 Query Match
Best Local Similarity luv...
Best Local 5; Conservative
 ; TOPOLOGY: linear; MOLECULE TYPE: DNA US-08-710-249-26
 linear
 STRANDEDNESS:
 USA
 US-08-660-678A-23
 US-08-485-778-19
 RESULT 6
US-08-710-249-26
 COUNTRY:
 RESULT 7
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 a
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 셤
 ö
 Gaps
 ö
 Score 15; DB 1; Length 26; Pred. No. 1.9; Mismatchés 0; Indels
 COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: Floppy disk
COMPUTER: Floppy disk
COMPUTER: Plan PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/660,678A
FILING DATE: 05-JUN-1996
CLASSIFICATION DATA:
APPLICATION DATA:
APPLICATION NUMBER: US 08/330,123
FILING DATE: 27-OCT-1994
PRIOR APPLICATION NUMBER: US 08/272,102
FILING DATE: 07-JUL-1994
ATYONEY/AGENT INFORMATION:
AMAME: ATACHARIA
 ADDRESSEE: Townsend and Townsend and Crew LLP STREET: Two Embarcadero Center, Eighth Floor CITY: San Francisco . CITY: San Francisco . COUNTRY: USA
 ATTORNEY/AGENT INFORMATION:
NAME: Storella, John R.
REGISTATION NUMBER: 32,944
REFERENCE/DOCKET NUMBER: 015389-000830US
TELEPHONE: (415) 576-0200
TELEPHONE: (415) 576-0300
TELEPAX: (415) 576-0300
INFORMATION FOR SEO ID NO: 23: SEQUENCE CHARACTERISTICS:
LENGTH: 26 base pairs
 NAME: Storella, John R. REGISTRATION NUMBER: 32,944
REFERENCE/DOCKET NUMBER: 015389-000811US
TELECOMMUNICATION INFORMATION:
 APPLICANT: Villeponteau, Bryant
APPLICANT: Feng, Junii
APPLICANT: Fenk, Walter
APPLICANT: Andrews, William H.
TITLE OF INVENTION: Mammalian Telomerase
NUMBER OF SEQUENCES: 30
CORRESPONDENCE ADDRESS:
 Sequence 23, Application US/08660678A Patent No. 5837857
 Query Match
Best Local Similarity 100.0%;
Matches 15; Conservative 0
 TELEPHONE: (415) 576-0200
TELEFAX: (415) 576-0300
INFORMATION FOR SEQ ID NO: 23:
 1 GCTCTAGAATGAACG 15
 5 GCTCTAGAATGAACG 19
 SEQUENCE CHARACTERISTICS:
 26 base pairs
 TYPE: nucleic acid
STRANDEDNESS: single
 TYPE: nucleic acid
STRANDEDNESS: single
 ; TOPOLOGY: linear; MOLECULE TYPE: DNA US-08-482-1158-23
 linear
 MOLECULE TYPE: DNA
 GENERAL INFORMATION:
FILING DATE:
 US-08-660-678A-23
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100.0%; Score 15; DB 2; Length 26;
 Indels
 3: Hamilton, Brook, Smith & Reynolds, P.C.
Two Militia Drive
 CUMPOTER: I LIEM FC COMPACTALE
CUMPOTER: Patentin Release #1.0, Version #1.30
SOFTWARE: Patentin Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/472,802C
FILING DATE: 07-JUN-1995
CLASSIFICATION: OATA:
APPLICATION NUMBER: US 08/272,102
FILING DATE: 07-JUL-1994
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/330,123
FILING DATE: 27-CT-1994
ATTORNEY/AGENT INFORMATION:
NAME: Smith, William M.
REGISTRATION NUMBER: 30,223
REFERENCE/POCKET NUMBER: 15389-000820
TELECOMMULCATION INFORMATION:
 COUNTRY: US
ZIP: 02173
COMPUTER REDABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC COMPATIBLE
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PATENTIN Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/520,550A
 APPLICANT: Villeponteau, Bryant
TITLE OF INVENTION: RNA Component of Telomerase
NUMBER OF EQUENCES: 47
CORRESPONDENCE ADDRESS:
ADDRESSEE: Hamilton, Brook, Smith & Reynolds,
 Mismatches
 UMBER: US/08/520,550A
29-AUG-1995
 Sequence 19, Application US/08520550A Patent No. 6013468
 Marhuenda, Maria A.
 vilion, Ariel A.
eng, Junli
unk, Walter
 100.0%;
 TELEFAX: (415) 576-0300 INFORMATION FOR SEQ ID NO: 2 SEQUENCE CHARACTERISTICS:
 Greider, Carol
 15; Conservative
 26 base pairs
 nucleic acid
 Query Match
Best Local Similarity
 CITY: Lexington STATE: MA
 FILING DATE:
 MOLECULE TYPE:
 US-08-472-802C-24
 APPLICANT:
APPLICANT:
APPLICANT:
APPLICANT:
 APPLICANT:
APPLICANT:
 STREET:
 Matches
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 100.0%; Score 15; DB 2; Length 26; 100.0%; Pred. No. 1.9;
 ADDRESSEE: Hamilton, Brook, Smith & Reynolds, P.C.
STREET: Two Militia Drive
 MEDLUM TXTE: FLODEY WIEN.
COMPUTER: IBM PC COMPATIBLE
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/485,778
FILING DATE: 07-US-1995
CLASSIPICATION: 435
PILING DATE: 13-FEB-1995
FILING DATE: 13-FEB-1995
FILING DATE: 27-CT-1994
FILING DATE: 27-CT-1994
PRIOR APPLICATION DATA: APPLICATION DATA: APPLICATION NUMBER: US/08/330,123
FILING DATE: 27-CT-1994
PRIOR APPLICATION DATA: PSPLICATION DATA: APPLICATION NUMBER: US/08/330,123
FILING DATE: 07-UL-1994
ATTORNEY/AGENTON NUMBER: US/08/272,102
FILING DATE: 07-UL-1994
ATTORNEY/AGENT INFORMATION:
 E: Townsend and Townsend and Crew LLP Two Embarcadero Center, Eighth Floor
 APPLICANT: Avilion, Ariel Athena
APPLICANT: Feng, Junli
APPLICANT: Funk, Walter
APPLICANT: Greider, Carol
APPLICANT: Marhuenda, Maria Antonia Blasco
APPLICANT: Villeponteau, Bryant
TITLE OF INVENTION: RNA COMPONENT OF TELOMERASE
NUMBER OF SEQUENCES: 45
CORRESPONDENCE ADDRESS:
 APPLICANT: Villeponteau, Bryant
APPLICANT: Feng, Junli
APPLICANT: Andrews, William H.
TITLE OF INVENTION: Mammalian Telomerase
Andrews, William H.
Avilion, Ariel Athena
Feng, Junli
Funk, Walter
Greider, Carol
 Sequence 24, Application US/08472802C Patent No. 5958680 GENERAL INFORMATION:
 NAME: Granahan, Patricia
REGISTATION NUMBER: 32,227
REFERENCE/DOCKET NUMBER: CSHLS
TELECOMMUNICATION INFORMATION:
TELEPHONE: 617-861-6240
TELEPAX: 617-861-9540
INFORMATION FOR SEQ ID NO: 19:
SEQUENCE CHARACTERISTICS:
 100.08;
 Floppy disk
 LENGTH: 26 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
 Conservative
 APPLICANT: Andrews, Will
TITLE OF INVENTION: Man
NUMBER OF SEQUENCES: 44
CORRESPONDENCE ADDRESS:
 ZIP: 02173
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy
 linear
 Query Match
Best Local Similarity
Matches 15; Conserv
 Lexington
 ADDRESSEE:
 JS-08-472-802C-24
 ;
US-08-485-778-19
 COUNTRY:
 CITY: STATE:
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Gaps
 ö
 Score 15; DB 3; Length 26;
Pred. No. 1.9;
 GENERAL INFORMATION:
APPLICANT: Cech, Thomas R.
APPLICANT: Lingner, Joachim
APPLICANT: Lingner, Toru
APPLICANT: Chapman, Karen B.
APPLICANT: Movin, Gregg B.
APPLICANT: Marley, Calvin B.
APPLICANT: Andrews, William H.
TITLE OF INVENTION: Human Telomerase Catalytic Subunit
NUMBER OF SEQUENCES: 727
 COUNTRY: USA
ZIP: 94111-3834
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/974,549A
 ADDRESSEE: Townsend and Townsend and Crew LLP STREET: Two Embarcadero Center, Eighth Floor CITY: San Francisco STATE: California
 CORKENI AFFLICATION NUMBER: US/08/974,549A
PILING DATE: 19-NOV-1997
CLASSIFICATION: 536
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/724,643
FILING DATE: 01-OCT-1996
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/844,419
FILING DATE: 18-APR-1997
PRIOR APPLICATION NUMBER: US 08/846,017
PILING DATE: 25-APR-1997
PRIOR APPLICATION NUMBER: US 08/851,843
FILING DATE: 06-MAY-1997
PRIOR APPLICATION NUMBER: US 08/851,843
FILING DATE: 06-MAY-1997
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/851,343
FILING DATE: 06-MAY-1997
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/851,312
APPLICATION NUMBER: US 08/851,312
APPLICATION NUMBER: US 08/851,312
 FILING DATE: 14-AUG-1997
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/911,312
FILING DATE:
 UMBER: US 08/912,951
14-AUG-1997
 Sequence 598, Application US/08974549A Patent No. 6166178
 TELEPHONE: (415) 576-0200
TELEFAX: (415) 576-0300
INPORMATION FOR SEQ ID NO: 23:
SEQUENCE CHARACTERISTICS:
LENGTH: 26 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
 TELECOMMUNICATION INFORMATION
 100.0%;
 1 GCTCTAGAATGAACG 15
 GCTCTAGAATGAACG 19
 Query Match
Best Local Similarity 100.
Matches 15; Conservative
 CORRESPONDENCE ADDRESS:
 FILING DATE: 14-AUG-
PRIOR APPLICATION DATA:
 ; TOPOLOGY: linear; MOLECULE TYPE: DNA US-08-998-443-23
 RESULT 11
US-08-974-549A-598
 STATE: CA
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 Query Match
100.0%; Score 15; DB 3; Length 26;
Best Local Similarity 100.0%; Pred. No. 1.9;
Matches 15; Conservative 0; Mismatches 0; Indels
 GENERAL INFORMATION:
APPLICANT: Feng, Junia
APPLICANT: Feng, Junia
APPLICANT: Funk, Walter
APPLICANT: Thorework, William H.
TITLE OF INVENTION: Mammalian Telomerase
NUMBER OF SEQUENCES: 30
CORRESPONDENCE ADDRESS:
ADDRESSEE: Townsend and Townsend and Crew LLP
STREET: Two Embarcadero Center, Eighth Floor
CITY: San Francisco
STATE: California
COUNTRY: USA
ZIP: 94111-3834
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
ACMPUTER READABLE FORM:
 SOFTWARE: Patentin Release #1.0, Version #1.30 CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/998,443
 NAME: Granahan, Patricia
REGISTRATION NUMBER: 32,227
REFERENCE POOKET NUMBER: CSH194-05A3B
TELECOMMUNICATION INFORMATION:
TELEPHONE: 617-861-6240
INFORMATION FOR SEQ ID NO: 19:
SEQUENCE CHARACTERISTICS:
LENGTH: 25 base pairs
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STRANDEDNESS: single
 REGISTRATION NUMBER: 32,944
REFERENCE/DOCKET NUMBER: 015389-000811US
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PRIOR APPLICATION:
APPLICATION DATA:
APPLICATION NUMBER:
FILING DATE: 05-UN-1994
APPLICATION NUMBER: US 08/330,123
FILING DATE: 27-OCT-1994
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/272,102
FILING DATE: 07-UL-1994
ATTORNEY/AGENT INFORMATION:
 APPLICATION NUMBER: US 08/330,123
FILING DATE: 27-0CT-1994
PRIOR PAPLICATION DATA:
APPLICATION NUMBER: US 08/272,102
FILING DATE: 07-JUL-1994
ATTORNEY/AGENT INFORMATION:
CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/387,524
FILING DATE: 13-FEB-1995
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/330,123
 Sequence 23, Application US/08998443
Patent No. 6054575
GENERAL INFORMATION:
 COMPUTER: IBM PC compatible OPERATING SYSTEM: PC-DOS/MS
 1 GCTCTAGAATGAACG 15
 5 GCTCTAGAATGAACG 19
 NAME: Storella, John R. REGISTRATION NUMBER: 32
 ; TOPOLOGY: linear
US-08-520-550A-19
 FILING DATE
 RESULT 10
US-08-998-443-23
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GENERAL INFORMATION:
APPLICANT: Villeponteau, Bryant
APPLICANT: Feng, Junia
APPLICANT: Andrews, William H.
APPLICANT: Addrews, Telomere Length and Telomerase Activity NUMBER OF SEQUENCES: 26
CORRESPONDENCE ADDRESS:
ADDRESSEE: TWO Embarcadero Center, Eighth Floor
 Indels
 SOFTWARE: Patentin Release #1.0, Version #1.30 CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/220,157A
 015389-001220US
 015389-000813US
 Mismatches
 CLASSIFICATION:
PRIOR APPLICATION:
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US/08/710,249
FILING DATE: 13-SEP-1996
APPLICATION NUMBER: US 08/583,808
FILING DATE: 05-JAN-1996
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 60/003,492
FILING DATE: 08-SEP-1995
ATTORNEY/AGENT INFORMATION:
NAME: SCORPLIA, JOHN REGISTRATION NUMBER: 32,944
REGISTRATION NUMBER: 32,944
REGISTRATION NUMBER: 32,944
 COUNTRY: USA
ZIP: 94111-3834
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
 RESULT 13
US-09-220-157A-26
; Sequence 26, Application US/09220157A
; Patent No. 6300110
 NAME: Storella, John R.
REGISTRATION NUMBER: 32,944
REFRENCE/DOCKET NUMBER: 01531
TELECOMMUNICATION INFORMATION:
TELEPHONE: (415) 576-0200
TELEPHONE: (415) 576-0300
INFORMATION EN SEQ ID NO: 23: SEQUENCE CHARACTERISTICS:
 FELECOMMUNICATION INFORMATION
 Query Match

Best Local Similarity 100.0%;

Matches 15; Conservative 0
 (415) 576-0200
ATTORNEY/AGENT INFORMATION:
 5 GCTCTAGAATGAACG 19
 TELEFAX: (415) 576-0300 INFORMATION FOR SEQ ID NO: 2 SEQUENCE CHARACTERISTICS:
 26 base pairs
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 TYPE: nucleic acid
STRANDEDNESS: single
 San Francisco
California
 linear
 TOPOLOGY: linear
MOLECULE TYPE: DNA
US-09-060-523-23
 TYPE: nucleic
STRANDEDNESS:
 FILING DATE
 LENGIH:
 STATE:
 g
 .;
0
 100.0%; Score 15; DB 4; Length 26; 100.0%; Pred. No. 1.9;
 0; Indels
 STREET: Two Embarcadero Center, Eighth Floor
CITY: San Prancisco
STATE: California
COUNTRY: USA
ZIP: 94111-3834
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC Compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.30
CURRENT APPLICATION NUMBER: US/09/060,523
FILING DATE: 14-APR-1998
 NAME: APPLE RANGOLDH TEG
REGISTRATION NUMBER: 36,429
REFERENCE/DOCKET NUMBER: 015389-002610US
TELECOMUNICATION INFORMATION:
TELEPHONE: (415) 576-0200
TELEFAX: (415) 576-0300
INFORMATION FOR SEQ ID NO: 598:
SEQUENCE CHARACTERISTICS:
LENGTH: 26 base pairs
TYPE: nucleic acid
STRANBDNESS: single
 FILING DATE: 14-AUG-1997
PRIOR APPLICATION DATA:
APPLICATION NUMBER: WO PCT/US97/17618
FILING DATE: 01-OCT-1997
PRIOR APPLICATION DATA:
APPLICATION NUMBER: WO PCT/US97/17885
FILING DATE: 01-OCT-1997
ATTORNEY/AGENT INFORMATION:
 Mismatches
 APPLICANT: Feng, Junli
APPLICANT: Funk, Walter
APPLICANT: Andrews, William H.
TITLE OF INVENTION: Mammalian Telomerase
 APPLICATION NUMBER: US 08/660,678 FILING DATE: 05-JUN-1996 APPLICATION DATA: APPLICATION NUMBER: US 08/330,123 FILING DATE: 27-OCT-1994
 UMBER: US 08/272,102
07-JUL-1994
JMBER: US 08/915,503
14-AUG-1997
 Sequence 23, Application US/09060523
Patent No. 6258535
 GENERAL INFORMATION: APPLICANT: Villeponteau, Bryant
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 Query Match
Best Local Similarity 100.
Matches 15; Conservative
 PRIOR APPLICATION DATA:
APPLICATION NUMBER: I
 PRIOR APPLICATION DATA:
 TITLE OF INVENTION: MANUMBER OF SEQUENCES: 2
CORRESPONDENCE ADDRESS:
 APPLICATION NUMBER:
 TOPOLOGY: linear OLECULE TYPE: DNA
 FILING DATE: 14
CLASSIFICATION:
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```

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100.0%; Score 15; DB 4; Length 26; 100.0%; Pred. No. 1.9;
 0; Indels
 NAME: Smith, William M
REGIGTRATION NUMBER: 30,223
REFERENCE/DOCKET NUMBER: 15389-000810
TELECOMMUNICATION INFORMATION:
TELEPHONE: (415) 326-2400
 Mismatches
 TOPOLOGY: linear
MOLECULE TYPE: DNA
SEQUENCE DESCRIPTION: SEQ ID NO: 23:
 APPLICATION NUMBER: 08/330,123
 Search completed: June 23, 2003, 10:17:07 Job time: 23.4861 seçs
 INFORMATION FOR SEQ ID NO: 23:
SEQUENCE CHARACTERISTICS:
 FILING DATE: <Unknown>
ATTORNEY/AGENT INFORMATION:
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 LENGTH: 26 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
 PRIOR APPLICATION DATA:
 Query Match
Best Local Similarity 100.
Matches 15; Conservative
 US-09-580-517-23
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 Query Match
100.0%; Score 15; DB 4; Length 26;
Best Local Similarity 100.0%; Pred. No. 1.9;
Matches 15; Conservative 0; Mismatches 0; Indels
 Score 15; DB 4; Length 26; Pred. No. 1.9;
 ADDRESSEE: Townsend and Townsend Khourie and Crew
 Indels
 COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.25
CURRENT APPLICATION DAIR:
 Sequence Application US/09286959B
Fatent No. 6300131
GENERAL INFORMATION:
APPLICANT: Johns Hopkins University
APPLICANT: Johns Hopkins University
APPLICANT: Johns Hopkins University
APPLICANT: Le. Siyuan
TITLE OF INVENTYON: TELOMBERASE-ASSOCIATED PROTEINS
FILE REPERENCE: 07265/157001
CURRENT FILING DATE: 1999-04-06
FRIOR PILING DATE: 1998-04-06
FRIOR PILING DATE: 1998-04-06
NUMBER OF SEQ ID NOS: 24
SOFTWARE: PASTSEQ for Windows Version 4.0
SEQ ID NO 4
 0; Mismatches
 APPLICATION NUMBER: US/09/580,517
FILING DATE: 25-May-2000
CLASSIFICATION: <Unknown>
 FENG, Junli
FUNK, Walter
ANDREWS, William H.
TITLE OF INVENTION: HUMAN TELOMERASE
NUMBER OF SEQUENCES: 25
CORRESPONDENCE ADDRESS:
 APPLICANT: VILLEPONTEAU, Bryant
 STREET: 379 Lytton Avenue
 Sequence 23, Application US/09580517
Patent No. 6320039
GENERAL INFORMATION:
 100.0%;
 ORGANISM: Artificial Sequence
 S GCTCTAGAATGAACG 19
 1 GCTCTAGAATGAACG 15
 1 GCTCTAGAATGAACG 15
 s cereracaarcaace 19
 CITY: Palo Alto
STATE: California
 Query Match
Best Local Similarity 100.0
Matches 15; Conservative
 ; OTHER INFORMATION: Primer US-09-286-959B-4
 COUNTRY: US
; TOPOLOGY: linear; MOLECULE TYPE: DNA US-09-220-157A-26
 RESULT 14
US-09-286-959B-4
 RESULT 15
US-09-580-517-23
 TYPE: DNA
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Gaps

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(OTASU) NNAJ8 39A9 SIHT

Human telomerase R PCR primer for Hum Human telomerase R Human telomerase-a Human telomerase ( RNA component of h

Human telomerase

Antisense oligonuc RNA component of h

Human telomerase

Sense primer for h Human telomerase p CRT C-domain-green Human GPCR TDAG8(!

Human telomerase p Oligonucleotide us

Antisense oligonuc

Human clone 28-1

Murine Cdc25A intr C. difficile toxin Clostridium diffic

Novel recombinant HCMV IE-exon-4 sub

for h

Sense primer for h Novel human G prot

DNA associated wit RNA component of h

ISA3 reverse prime

Human telomerase

Sequence encoding Sequence encoding Rx 2.4 prorelaxin

Title: Perfect score:

Sequence:

nucleic

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Run on:

Scoring table:

Word size :

Database

Searched:

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RNA component; human telomerase; antisense oligonucleotide; infection; neuroblastoma; bladder cancer; colon cancer; prostate cancer; cancer; contraception; sterilisation; immunosuppression; therapeutic; hTR; immune system down-regulation; anti-inflammatory therapy; ss.
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 Weinrich SL,
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 AAX01542
AAA88250
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 AAV41193
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 AAQ71457
 Pruzan R,
 ВР
 97WO-US23619
96US-0770565
96US-0770564
 AAV41177 standard; DNA; 15
 (first entry)
 Kealey JT, Kim NW,
 WPI; 1998-377670/32
 (GERO-) GERON CORP
 1000
883.33
886.77
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733.33
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733.33
733.33
733.33
733.33
733.33
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 Synthetic.
Homo sapiens.
 08-OCT-1998
 20-DEC-1996;
20-DEC-1996;
 WO9828442-A1
 19-DEC-1997;
 02-JUL-1998
 AAV41177;
 RESULT 1
 AAV41177
RNA component of h
RNA component of h
Human telomerase R
RNA component of h
RNA component of h
Primer for product
Human telomerase P
Human hTR gene RT-
Telomerase PCR pri
 June 22, 2003, 18:09:32 ; Search time 99.6813 Seconds (without alignments) 338.880 Million cell updates/sec
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| SIDSZ/gcgdata/geneseq/geneseqn-embl/NA1981.DAT:*
| SIDSZ/gcgdata/geneseq/geneseqn-embl/NA1991.DAT:*
| SIDSZ/gcgdata/geneseq/geneseqn-embl/NA2001A.DAT:*
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 Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.
 Description
 2166140
 GenCore version 5.1.6
(c) 1993 - 2003 Compugen Ltd.
 Total number of hits satisfying chosen parameters:
 2185239 segs, 1125999159 residues
 SUMMARIES
 nucleic search, using sw model
 Post-processing: Listing first 45 summaries
 AAT10304
AAT10299
AAT11044
AAT58811
AAV19489
 AAV41177
AAV41176
AAZ08704
 OLIGO_NUC
Gapop_60.0 , Gapext 60.0
 GCTCTAGAATGAACG 15
 US-08-770-564A-10
15
 8
 Length
 Copyright
 Minimum DB seq length: 0
Maximum DB seq length: 50
 Query
Match 1
 0
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Phenylajanine ammo Rhodosporidium tor Banana bunchy top C. sativa chloropl

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Score

Result ě New polynucleotide(s) anti:sense to human telomerase - used for detecting or inhibiting human telomerase, e.g. for treating cancers, contraception, immuno-suppression or treating infection

Claim 11; Page 65; 80pp; English.

```
origonucles whose to the RNA component of human telemerase (hTR). These antisense oligonucleotides specifically hybridise to a nuclectide sequence within an accessible region of the HTR, but that does not hybridise to a sequence within the template region of hTR. These oligonucleotides may specifically be used for detection of an RNA component of human telemerase in a sample. This is useful for diagnosing component of human telemerase in a sample. This is useful for diagnosing cancer (especially neuroblastoms, bladder, colon and prostate cancer), and providing prognosis for a cancer patient. The inhibitory oligonucleotides can inhibit the telemerase activity is leval in a cell by interfering with transcription of the RNA component, decreasing the half-life of the telemerase RNA component decreasing the half-life of the telemerase RNA component cranscript, inhibiting assembly of the RNA component into the telemerase oligonucleotides can be used for inhibiting telemerase activity in both cultured cells and in the colon of the RNA component contains activity in both cultured cells and in the colon of the RNA component contains activity in the reading or colon and in the reading or contains and in the reading or colon and colon of the RNA component colon of the RNA componen
 preventing cancer, for contraception or sterilisation, for preventing cancer, for contraception or sterilisation, for simunosuppression, and for selectively down-regulating specific branches of the immune system, e.g. a specific subset of T-cells, in anti-inflammatory therapies or for treating infections by, e.g. yeast,
 New polynucleotide(s) anti:sense to human telomerase - used for detecting or inhibiting human telomerase, e.g. for treating cancers, contraception, immuno-suppression or treating infection
 Sequences shown in AAV41169 to AAV41181 represent antisense
 Claim 11; Page 65; 80pp; English
 parasites or
 Query Match
8
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ö Gaps .. 0 100.0%; Score 15; DB 19; Length 15; 100.0%; Pred. No. 9.6; 0; Indels Sequence 15 BP; 5 A; 3 C; 4 G; 3 T; 0 other; 0; Mismatches Best Local Similarity 100. Matches 15; Conservative

1 GCTCTAGAATGAACG 15 d

AAV41176 standard; DNA; 19 BP. 08-OCT-1998 AAV41176; RESULT 2 AAV41176 

(first entry)

RNA component of human telomerase (hTR) antisense oligo 21ab.

RNA component; human telomerase; antisense oligonucleotide; infection; neuroblastoma; bladder cancer; colon cancer; prostate cancer; cancer; contraception; sterilisation; immunosuppression; therapeutic; hTR; immune system down-regulation; anti-inflammatory therapy; ss.

Homo sapiens. Synthetic.

WO9828442-A1

02-JUL-1998.

96US-0770565 96US-0770564 20-DEC-1996; 20-DEC-1996;

97WO-US23619

19-DEC-1997;

(GERO-) GERON CORP

Weinrich SL, Pruzan R,

<u>بر</u> Wu

> Kealey JT, Kim NW, WPI; 1998-377670/32

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congences shown in AAV41169 to AAV41181 represent antisense
antisense oligonucleotides specifically hybridise to a nucleotide
antisense oligonucleotides specifically hybridise to a nucleotide
antisense oligonucleotides specifically hybridise to a nucleotide
sequence within an accessible region of the hTR, but that does not
hybridise to a sequence within the template region of hTR. These
oligonucleotides may specifically be used for detection of an RNA
component of human telomerase in a sample. This is useful for diagnosing
cancer (especially neuroblastoma, bladder, colon and prostate cancer),
and providing prognosis for a cancer patient. The inhibitory
cliponucleotides can inhibit the telomerase activity level in a cell by
interfering with transcription of the RNA component decreasing the
clifte of the telomerase RNA component transcript, inhibiting the
collymerase activity of telomerase. These antisense oligonucleotides can
cells in vivo. They can be used in therapeutics for treating or
preventing cancer, for contraception or sterilisation, for
immunosuppression, and for selectively down-regulating specific branches
contingummatory therapies or for treating infections by, e.g. yeast,
 ö
 Gaps
 ö
 Length 19;
 0; Indels
 100.0%; Score 15; DB 19;
100.0%; Pred. No. 9.5;
ative 0; Mismatches 0;
 Sequence 19 BP; 5 A; 3 C; 7 G; 4 T; 0 other;
 1 GCTCTAGAATGAACG 15
 1 GCTCTAGAATGAACG 15
 Conservative
 Local Similarity
es 15; Conserv
 parasites or fungi
 Query Match
 Matches
g
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Human telomerase RNA template PCR primer R3C. AAZ08704 standard; DNA; 25 (first entry) 20-OCT-1999 AAZ08704; RESULT 3 AAZ08704

Telomerase, body fluid; cancer; tumour; screening; TRAP; diagnosis; telomeric repeat amplification protocol; detection; PCR primer; ss. WO9941406-A1. Homo sapiens 19-AUG-1999. Synthetic. 

98US-0074793. 99WO-US03302. 16-FEB-1999; 16-FEB-1998; (UYMA-) UNIV MARYLAND BALTIMORE.

Strovel JW; Stamberg J, Highsmith E, Abruzzo LV,

WPI; 1999-508655/42.

Detecting telomerase activity in non-cellular body fluid using modified telomeric repeat amplification protocol

Disclosure; Page 16; 32pp; English

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A method has been developed for detecting telomerase activity in a non-cellular portion of body fluid from a cancer patient using a modified telomeric repeat amplification protocol (TRAP). A method for detecting cancer comprises: (a) removing the cellular portion of a body fluid specimen from the patient; (b) preparing a protein extract from the body fluid remainder; (c) assaying the extract for the presence and quantity of telomerase RNA or telomerase activity; and (d) comparing the results with normal levels, to determine the presence of cancer. The methods are used in cancer diagnosis and prognosis, and also to monitor cancer therapy effectiveness. Unlike prior art telomerase activity assays in cancer patients, the method allows noninvasive sample collection. The methods are also more reliable and less tumour specific
 than other methods which detect circulating tumour markers. The present sequence represents a human telomerase RNA template PCR primer used in
 Gaps
 The present sequence, a nested PCR primer for the RNA component of human telomerase (RCHT), was used in a 5' RACE procedure. The RCHT can be used in the recombinant prodn. of an active telomerase mol., capable of adding sequences to chromosomal DNA telomeres, and in the synthesis of mutant sequences for the detection of mutant
 RNA component; human; telomerase; polymerase chain reaction; recombinant production; synthesis; mutant; detection; mammalian; identification; modulating agent; neoplastic condition; transcriptional regulatory sequence; gene therapy; disease;
 ;
 RNA component of mammalian telomerase, esp. human - useful in identifying e.g. candidate telomerase-modulating agents
 100.0%; Score 15; DB 20; Length 25; 100.0%; Pred. No. 9.3; ive 0; Mismatches 0; Indels
 RNA component of human telomerase nested PCR primer R3c.
 the exemplification of the present invention.
 Sequence 25 BP; 7 A; 3 C; 9 G; 6 T; 0 other;
 Villeponteau
 Example 10; Page 82; 114pp; English.
 Funk W,
 BP.
 95US-0482115.
94US-0272102.
94US-0330123.
 1 GCTCTAGAATGAACG 15
 GCTCTAGAATGAACG 18
 95WO-US08530
 95US-0472802
 AAT10304 standard; DNA; 26
 (first entry)
 15; Conservative
 Feng J,
 WPI; 1996-097581/10
 Best Local Similarity
 (GERO-) GERON CORP.
 PCR primer; ss
 WO9601835-A1
 06-JUL-1995;
 10-SEP-1996
 07-JUL-1994;
27-OCT-1994;
 07-JUN-1995;
 07-JUN-1995;
 25-JAN-1996.
 Andrews WH,
 Synthetic.
 AAT10304;
 Query Match
 Matches
 RESULT 4
$$66666666666668
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The present sequence is a PCR primer for a RNA component of human telemase (RCHT), antisense plasmid. RCHT was derived from a genomic DNA library obtd. from the human lung fibroblast cell line WI-38. The RCHT can be used in the recombinant produ. of an active telomerase mol., capable of adding sequences to chromosomal DNA telomerase, and in the synthesis of mutant sequences for the detection of mutant mammalian telomerase RNA component polymucleotides. The RCHT may also be used in the identification of telomerase modulating agents, and in the detection of telomerase modulating agents, and in the detection of telomerase modulating sequence in the detection of telomerase related, or neoplastic conditions in a patient. Polymucleotides of at least 25 consecutive nucleotides identical, or neoplasmic conditions in sequence transcriptional regulatory sequences, can be used for the gene transcriptional regulatory sequences, can be used for the gene
 Gaps
 also be used in the identification of telomerase modulating agents, and in the detection of telomerase related, or neoplastic conditions in a patient. Polynucleotides of at least 25 consecutive nucleotides identical, or complementary to the RCHT sequence linked to heterologous transcriptional regulatory sequences, can be used for the gene therapy of human diseases.
 RNA component; human; telomerase; lung fibroblast; cell line WI-38;
 RNA component of human telomerase antisense plasmid PCR primer R3C.
 mammalian telomerase RNA component polynucleotides. The RCHT may
 recombinant production, synthesis, mutant; detection, mammalian, identification, modulathing agent, neoplastic condition; transcriptional regulatory sequence; gene therapy, disease; polymerase chain reaction, antisense plasmid; PCR primer; se.
 ö
 RNA component of mammalian telomerase, esp. human - useful in identifying e.g. candidate telomerase-modulating agents
 100.0%; Score 15; DB 17; Length 26; 100.0%; Pred. No. 9.3;
 0; Indels
 Funk W, Villeponteau B;
 Sequence 26 BP; 7 A; 3 C; 9 G; 7 T; 0 other;
 0; Mismatches
 Example 8; Page 80; 114pp; English.
 AAT10299 standard; DNA; 26 BP.
 95US-0482115.
94US-0272102.
94US-0330123.
95US-0472802.
 1 GCTCTAGAATGAACG 15
 5 GCTCTAGAATGAACG 19
 95WO-US08530.
 09-SEP-1996 (first entry)
 15; Conservative
 Andrews WH, Feng J,
 WPI; 1996-097581/10.
 (GERO-) GERON CORP.
 Local Similarity
 WO9601835-A1.
 06-JUL-1995;
 07-JUL-1994;
27-OCT-1994;
 25-JAN-1996
 07-JUN-1995
 07-JUN-1995
 Synthetic.
 AAT10299;
 Query Match
 Matches
 RESULT 5
AAT10299
88888888888
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× 8

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ó,
 from mouse, rat and chinese hamster are all claimed. Attisense oligonucleotides can be used to block the activity of the telomerase; probes and primers can be used in detection; vectors and host cells transformed with the isolated telomerase genes can be used for production of telomerases; RNA and DNA ribozymes and triplex forming oligonucleotides directed against the telomerase genes can be used therapeutically as can plasmids. A mouse which lacks the telomerase gene (also claimed) can be used for study of telomere regulation in vivo, and the role it plays in immortalisation. Three primers (AAT11040, AAT11043, AAT11044) were used to produce antisense oligonucleotides which were then used to produce antisense oligonucleotides which were then used to produce antisense expression plasmids. AAT11040 was used alongside both AAT11043 and
 The RNA components of (non) human mammalian telomerase(s) especially from mouse, rat and chinese hamster are all claimed. Antisense
 Gaps
 RNA components of (non)human mammalian telomerase(s) - useful in studying cell senescence and immortalisation
 Telomerase; mammal; antisense; triplex forming oligonucleotide; plasmid; probe; primer; ribozyme; ss.
 ö
 Primer for production of telomerase antisense oligonucleotide.
 DB 17; Length 26;
 0; Indels
 Greider C;
 AAT11044 to produce two different antisense molecules.
 Sequence 26 BP; 7 A; 3 C; 9 G; 7 T; 0 other;
 Funk W,
Sequence 26 BP; 7 A; 3 C; 9 G; 7 T; 0 other;
 Mismatches
 Score 15;
Pred. No.
 Example 8; Page 53; 85pp; English
 Feng J,
 100.0%; Sc
100.0%; Pr
tive 0;
 COLD SPRING HARBOR LAB. GERON CORP.
 BP
 Andrews WH, Avillon AA, Fen
Marhuenda MA, Villeponteau B;
 95US-0485778.
94US-0272102.
94US-0330123.
95US-0387524.
 95WO-US08620
 1 GCTCTAGAATGAACG 15
 GCTCTAGAATGAACG 19
 AAT11044 standard; DNA; 26
 02-JUL-1996 (first entry)
 Best Local Similarity 100
Matches 15; Conservative
 WPI; 1996-097428/10.
 07-JUL-1994;
27-OCT-1994;
13-FEB-1995;
 WO9601614-A2
 07-JUL-1995;
 07-JUN-1995;
 25-JAN-1996
 Synthetic.
 AAT11044;
 Query Match
 (COLD-)
 (GERO-)
 AAT11044
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The present sequence represents PCR 3'-primer R3C used for amplifying the human telomerase (hTR). The RNA and DNA can be used in hybridisation assays to detect or quantify telomerase activity in cells, tissue or fluid samples, e.g. for diagnosis of eukaryotic parasites (yeast and protozoa) or tumours. It is also useful as primers for amplification assays. The truncated or recombinant vertebrate telomerase is used therapeutically to increase telomerase activity (also as reagents in the screening assay) while the RNA or other inhibitors such as antisense molecules, are used to reduce such activity. Typical applications are initiation/restoration of activity to cause senescence
 directed against e.g. Trypanosoma should cause fewer side effects than drugs currently used to treat such infections. The DNA encodes those parts of hTR RNA essential for activity but are significantly shorter than the endogenous RNA component.
 or to prevent immortalisation of cells in tumours or parasites. The DNP is also used to produce recombinant telomerase, which can then be used conventionally to raise antibodies for diagnostic detection of telomerase. Detecting telomerase allows early diagnosis of tumour or infection, before clinical signs manifest. Telomerase inhibitors
 Gaps
 DNA encoding essential RNA components of human telomerase - also truncated or recombinant telomerase, useful for diagnosis and treatment of cancer and infection by eukaryotic parasites
 ö
 Cancer; eukaryotic parasite; hTR; vertebrate telomerase; yeast; protozoa; tumour; antibody; polymerase chain reaction; ss.
 Length 26;
 Indels
 ö
 100.0%; Score 15; DB 18; 100.0%; Pred. No. 9.3;
 Sequence 26 BP; 7 A; 3 C; 9 G; 7 T; 0 other;
 Mismatches
 Human telomerase PCR 3'-primer R3C.
 Example 5; Page 32; 48pp; English.
 ö
 (COLD-) COLD SPRING HARBOR LAB
 AAV19489 standard; DNA; 26 BP
 AAT58811 standard; DNA; 26 BP.
 GCTCTAGAATGAACG 15
 96WO-US09517.
(first entry)
 Local Similarity 100.
nes 15; Conservative
 Greider C;
 WPI; 1997-099928/09.
 06-JUN-1996;
 07-JUN-1995;
 WO9640868-A1
 Autexier C,
 20-NOV-1997
 19-DEC-1996,
 Synthetic.
 Query Match
 AAT58811;
 Best Loca
Matches
 RESULT 8
AAV19489
ID AAV15
 RESULT 7
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Gaps

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Indels

100.0%; Score 15; DB 17; 100.0%; Pred. No. 9.3; cive 0; Mismatches 0;

Query Match Best Local Similarity 100.0 Matches 15; Conservative

Matches

δ

1 GCTCTAGAATGAACG 15

Length 26;

131

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The present sequence represents a PCR primer from the present invention which describes human telomerase reverse transcriptase (hTRT). The present invention also describes the following methods: (A) determining whether a test compound is a modulator of hTRT, by detecting the change in hTRT recombinant protein or polynucleotide, on administration of the compound; (B) preparation of recombinant telomerase by contacting a protein preparation of hTRT with a telomerase NNA component; (C) detection of the hTRT NNA or protein in a sample by binding a relevant probe to the sample and detecting the complex formed or in the case of NNA detection, amplifying the product and correlating the presence of complex or amplification product with presence of hTRT in the sample; and (D) increasing the product with presence of hTRT in the sample; and (D) increasing the proliferation of a vertebrate cell by increasing hreuse of an agent that causes an increase in cell vertebrate cell proliferation to create a medicament that inhibits ageing. A protein preparation of hTRT and the polynucleotide encoding hTRT can be used in the manufacture of medicaments for inhibiting the used to treat conditions that are associated with high telomerase conditions that are associated with high telomerase
 Pure and recombinant human Telomerase Reverse Transcriptase and its variants - are useful in the diagnosis, prognosis and treatment of cell proliferation conditions especially cancer and ageing
 PCR primer; human telomerase RNA; hTR; amplify; human staufen cDNA; hStau; synthesised; random hexamer primer; Superscript II reverse transcriptase; 85.
 100.0%; Score 15; DB 19; Length 2/
100.0%; Pred. No. 9.3; ... marches 0; Indels
 Harley C, Lingner J;
 Sequence 26 BP; 7 A; 3 C; 9 G; 7 T; 0 other;
 Human telomerase RNA specific PCR primer-2.
 Example 2; Page 218; 387pp; English.
 Chapman KB,
Harley CB;
 ВЪ.
 960S-0724643.
97US-0844419.
97US-0846017.
97US-0851843.
97US-0911312.
97US-0912951.
 (GERO-) GERON CORP.
(UYTE-) UNIV TECHNOLOGY CORP.
97GB-0020890
 5 GCTCTAGAATGAACG 19
 97US-0915503
 1 GCTCTAGAATGAACG 15
 AAX90788 standard; DNA; 26
 13-JAN-2000 (first entry)
 Query Match
Best Local Similarity 100.0
Matches 15, Conservative
 Andrews WH, Cech TR,
Morin GB, Nakamura T,
 WPI; 1998-171633/16.
 Homo sapiens.
01-OCT-1997;
 06-MAY-1997
 09-MAY-1997
 14-AUG-1997
 25-APR-1997
 18-APR-1997
 Synthetic
 AAX90788;
 methods
 RESULT 10
 AAX90788
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 Gaps
 Human TPC2, TPC3 and TR genes - regulate telomere length or modulate
 Primers R3c and F3b (see AAV1948B) were designed for the PCR amplification of the human telomerase hTR gene (see AAV19481). hTR mRNA levels were showed to correlate with telomerase activity levels in a variety or mortal and immortal cell lines. Methods of the invention allow detection and quantitation of FPC2 (see AAV19479), TPC3 (see AAV19480) and/or TPC2 gene products and can be used to detect immortal cells, especially telomerase positive
 gene; TPC2; TPC3; telomere length; telomerase; human; cancer;
 Human; telomerase reverse transcriptase; hTRT; TRT; diagnosis;
prognosis; cell proliferation; cancer; ageing; ribonucleoprotein;
 ö
 100.0%; Score 15; DB 19; Length 26; 100.0%; Pred. No. 9.3; Live 0; Mismatches 0; Indels
 Villeponteau B;
 Sequence 26 BP; 7 A; 3 C; 9 G; 7 T; 0 other;
 gene therapy; diagnosis; PCR; primer; ss.
 Disclosure; Page 49; 86pp; English.
 Human hTR gene RT-PCR primer R3c
 Feng J,
 AAV17033 standard; DNA; 26 BP
 96WO-US14679
 1 GCTCTAGAATGAACG 15
 96WO-US14679
 GCTCTAGAATGAACG 19
 28-AUG-1998 (first entry)
 13-AUG-1998 (first entry)
 Telomerase PCR primer R3c.
 Ouery Match
Best Local Similarity 100.
Matches 15; Conservative
 Andrews WH,
 WPI; 1998-207373/18.
 (GERO-) GERON CORP.
 telomerase activity
 PCR primer, ss.
 cancer cells.
 Homo sapiens.
 13-SEP-1996;
 WO9811204-A1
 13-SEP-1996;
 Homo sapiens
 19-MAR-1998.
 3B2317891-A.
 08-APR-1998
 Synthetic.
 Synthetic.
 Adams RR,
 AAV17033;
 AAV19489;
 hTR
 RESULT 9
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Gaps

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Length 26;

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This sequence represents a PCR primer for DNA encoding the human TPC3 protein, which is contained within the recombinant mammalian host cell of the invention. The invention provides methods and reagents for regulating telomere length and modulating telomerase activity in mammalian cells as well as for detecting, diagnosing, and treating related diseases and conditions such as cancer, pregnancy, or fertility in humans and other
telomerase activity (cf. WO 9735871). This sequence represents a primer used in the method of the invention.
 Gaps
 Gaps
 DNA encoding proteins TPC2 and TPC3 - useful for regulating telomere length or modulating telomerase activity
 TPC2, TPC3, human; telomere length regulation; cancer; pregnancy; fertility; diagnosis; therapy; PCR primer; ss.
 ö
 ;
0
 Length 26;
 Length 26;
 Indels
 Indels
 ,
 0
 Score 15; DB 20;
Pred. No. 9.3;
 Score 15; DB 20;
Pred. No. 9.3;
 Villeponteau B;
 Sequence 26 BP; 7 A; 3 C; 9 G; 7 T; 0 other;
 Sequence 26 BP; 7 A; 3 C; 9 G; 7 T; 0 other;
 Mismatches
 Mismatches
 Example; Column 38; 59pp; English.
 Feng J,
 100.0%; Sc
100.0%; Pr
tive 0;
 ;
0
 PCR primer for Human TPC3 gene.
 100.0%;
100.0%;
 AAA88250 standard; DNA; 26 BP.
 BP.
 95US-0003492.
96US-0583808.
96US-0710249.
 1 GCTCTAGAATGAACG 15
 GCTCTAGAATGAACG 19
 1 GCTCTAGAATGAACG 15
 GCTCTAGAATGAACG 19
 96US-0710249
 AAX01542 standard; DNA; 26
 (first entry)
 Query Match
Best Local Similarity 100.
Matches 15; Conservative
 Local Similarity 100.
Les 15; Conservative
 Adams RR, Andrews WH,
 WPI; 1999-152104/13.
 (GERO-) GERON CORP.
 Homo sapiens.
 29-APR-1999
 13-SEP-1996;
 08-SEP-1995;
 05-JAN-1996;
13-SEP-1996;
 US5858777-A.
 12-JAN-1999
 Query Match
Best Local Si
Matches 15;
 Synthetic
 AAX01542;
 mammals
 RESULT 13
 AAA88250
ID AAA8
 RESULT 12
 AAX01542
ID AAX0
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 This invention describes a novel method for diagnosing bladder cancer waich comprises detecting telomerase RNA in a urine sample. The method of the invention has greater sensitivity and reliability than assays for
 The present sequence is a PCR primer specific to human telomerase RNA (hTR). It is used to amplify human staufen (hStau) cDNA synthesised using random hexamer primers and Superscript II reverse transcriptase.
 Human staufen polypeptide useful in methods for identifying telomerase inhibitors
 Gaps
 Detecting telomerase RNA in urine - useful for diagnosis of bladder
 human, diagnosis, bladder cancer, detection, urine, 85.
 ö
 100.0%; Score 15; DB 20; Length 26; 100.0%; Pred. No. 9.3;
 Indels
 ;
0
 Sequence 26 BP; 7 A; 3 C; 9 G; 7 T; 0 other;
 Mismatches
 (UYJO) UNIV JOHNS HOPKINS SCHOOL MEDICINE.
 Human telomerase RNA PCR primer TE-hTR3.1.
 Disclosure; Page 15; 50pp; English.
 .
0
 Claim 6; Page 10; 13pp; German.
 (HOFF) ROCHE DIAGNOSTICS GMBH
 AAX77402 standard; DNA; 26 BP
 99WO-US07533.
 98EP-0124326
 97DE-1057300.
 1 GCTCTAGAATGAACG 15
 GCTCTAGAATGAACG 19
 98US-0080783
 (first entry)
 Query Match
Best Local Similarity 100.
Matches 15; Conservative
 WPI; 1999-349242/30.
 WPI; 1999-620168/53
 Le S;
 Synthetic.
Homo sapiens.
 Telomerase; PCR primer;
 21-DEC-1998;
 22-DEC-1997;
 WO9951255-A1
 06-APR-1999;
 06-APR-1998;
 05-AUG-1999
 14-OCT-1999.
 30-JUN-1999
 EP926245-A2
 Greider CW,
 Emrich T;
 AAX77402;
 cancer
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RESULT 11

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The present invention describes a method (I) for detecting telomerase activity in a sample. The method comprises treating the sample with a solid phase to blind telomerase, separating the solid phase from the sample to form a test sample which may be treated to elute bound telomerase and assaying the sample for telomerase activity. Also described are: (I) a kit (II) for detecting telomerase activity, and (2) a component (III) of an assay system for telomerase activity; and (2) a component (III) of an assay system for detecting telomerase activity.

(comprising a solid phase and one or more components for assaying telomerase activity, comprising a solid phase for binding telomerase activity, comprising a solid phase for binding (1) is useful for cancer disgonsis or prognosis and detection of micrometastasis as detection of telomerase activity is indicative of cancer or micrometastasis. The solid phase used in (I) is useful for separating telomerase from a sample and therefore for detecting telomerase activity (II) is useful for detection of cancer cells and
 Detecting telomerase activity in samples, useful for diagnosis of cancer and micrometastasis, comprises treating sample with solid phase, removing solid phase and treating to elute bound telomerase
 Human; telomerase; hTR; reverse transcriptase; RT-PCR; PCR primer; detection; cancer; micrometastasis; diagnosis; ss.
 Human telomerase RNA reverse transcriptase PCR primer #2.
 Sequence 26 BP; 7 A; 3 C; 9 G; 7 T; 0 other;
 Example 11; Page 38; 68pp; English.
 01-FEB-2000; 2000WO-IB00100
 99GB-0002302
 (first entry)
 Larsen F, Skaanseng M;
 (SKAA/) SKAANSENG M.
 WPI; 2000-491281/43.
 (LARS/) LARSEN F.
 WO200046601-A1
 02-FEB-1999;
 15-DEC-2000
 Homo sapiens.
 10-AUG-2000
 AAA88250;
```

Example 1; Page 14; 30pp; English.

ö PCR primer may also comprises means for assaying an mRNA diagnostic for cancer. The present sequence represents a reverse transcriptase (RT) PCR prime. for human telomerase RNA, which is used in an example from the present Gaps Query Match

ö 100.0%; Score 15; DB 21; Length 26; 100.0%; Pred. No. 9.3; ive 0; Mismatches 0; Indels 0; Indels Best Local Similarity 100. Matches 15, Conservative

1 GCTCTAGAATGAACG 15 GCTCTAGAATGAACG 19

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ABK48024 standard; DNA; 26 BP.

(first entry) 18-JUN-2002

ABK48024; *****

Human telomerase-associated RNA template (hTR), PCR primer hTR2.

Detecting human telomerase RNA template RNA or human telomerase reverse transcriptase protein RNA in bodily fluid, useful as marker for diagnosing, monitoring or treating cancer, carcinoma in situ or premalignancy -Human; telomerase-associated RNA template; hTR; endometrial; malignancy; cancer; breast; ovarian; head and neck; lung; cervical; colorectal; gastric; liver; pancreatic; bladder; prostate; brain; kidney; oesophagus; melanoma; acroma; premalignancy; carcinoma in-situ; cervical dysplasia; bronchial dysplasia; cervical intraepithehial neoplasia; atypical hyperplasia; colorectal adenoma; atypical endometrial hyperplasia; barrett's oesophagus; telomerase-directed therapy; primer; ss. 31-AUG-2000; 2000US-0653573. 28-AUG-2001; 2001WO-US26749. Gocke CD; (ONCO-) ONCOMEDX INC. WPI; 2002-269532/31. WO200218652-A2 Homo sapiens. Kopreski MS, 07-MAR-2002. 

The invention relates to detecting human telomerase RNA template (hTR)

RNA or human telomerase reverse transcriptase protein RNA (hTERT) RNA (1)

C an a bodily fluid, comprising amplifying RNA extracted from plasma or

serum sample, or its corresponding cDNA comprising (1), using primers or

c serum sample, or its corresponding cDNA comprising (1), using primers or

c probes that target (1) or cDNA and detecting qualitatively or

c probes that target (1) or cDNA and detecting qualitatively or

c quantitatively amplified product of (1) or cDNA product. The method is

c quantitatively amplified product of (1) or cDNA product. The method is

c defent for detecting (1) in a bodily fluid, which is useful for

c deneritying a human having (1) expressing cells or tissue which

c denerity corvical, colorectal, gastric, liver, pancreatic, bladder,

c prosestate, endometrial, brain, kidney, or oseophagus, or a melanoma or

c arccina, premalignancy or carcinoma in-situ, preferably cervical

dysplasia, cervical intraepithelial neoplasia, bronchial dysplasia,

colorectal adenoma, atypical endometrial hyperplasia, or Barret's

colorectal adenoma, atypical endometrial hyperplasia, or carcinoma

in situ. The method is a risk for developing a malignancy or

carcinoma in situ. The method is a lao useful for treating a human with malignancy or premalignancy

condition is utilised as a guide to owhere adenominal endometrial in a human with malignancy or premalignancy

and for monitoring a therapy administered to a human. (1) provides a

need for diagnostic test in a human with malignancy and varietical procedures to remove premalignancy enditatively, of (1) in plasma or serum of human grown premaligna relages, or treatment failure. The method allows the development and application of telomerase-specific therapy even when only premalignant tumours, early cancer, or occult cancer or metastasts such as following resection or in minimal residual disease are present. The present sequence represents a PCR primer for human telomerase-associated

Sequence 26 BP; 7 A; 3 C; 9 G; 7 T; 0 other;

RNA template (hTR).

```
.
0
 The invention relates to methods and reagents for regulating telomere length and for modulating telomerase activity in mammalian cells. The invention also relates to purified, synthetic or recombinant peptides such as TPC2 or TPC3 used for detecting regulators of telomere length and telomerase activity in mammalian cells and for a variety of related diagnostic and therapeutic purposes. The method is useful for screening, diagnostic, many monitoring and treating diseases and other conditions such as cancer, pregnancy, fertility, telomere length and telomerase-activity. The present sequence is a reverse transcription (RT) PCR primer used for amplifying human telomerase (hTR) cDNA.
 Peptide products of the human TPC2 and TPC3 gene are involved in regulation of telomere length and activity are useful to diagnose and treat telomere length and activity-related diseases -
 Gaps
 Human; telomerase; TR; telomerase activity-related disease; therapy; cancer; pregnancy; fertility; RT-PCR primer; ss.
 Human telomerase (hTR) cDNA amplifying R3c downstream RT-PCR primer.
 .
0
 Score 15; DB 24; Length 26; Pred. No. 9.3;
 100.0%; Score 15; DB 24; Length 26; 100.0%; Pred. No. 9.3;
 0; . Indels
 Feng J, Andrews WH, Adams RR;
 Sequence 26 BP; 7 A; 3 C; 9 G; 7 T; 0 other;
 0; Mismatches
 Example; Column 38; 60pp; English
 AAD24246 standard; DNA; 26 BP
 100.0%;
 95US-003492P.
96US-0710249.
96US-0583808.
 1 GCTCTAGAATGAACG 15
 GCTCTAGAATGAACG 19
 98US-0220157.
 07-MAR-2002 (first entry)
 Query Match
Best Local Similarity 100.0
Matches 15; Conservative
 Conservative
 WPI; 2002-033174/04.
Query Match
Best Local Similarity
Matches 15; Conserv
 (GERO-) GERON CORP.
 Villeponteau B,
 09-SEP-1995;
13-SEP-1996;
05-JAN-1996;
 US6300110-B1.
 Homo sapiens
 23-DEC-1998;
 09-OCT-2001
 AAD24246;
 AAD24246
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0

Gaps

; 0

0; Indels

0; Mismatches

1 GCTCTAGAATGAACG 15

ò d Search completed: June 23, 2003, 05:43:39 Job time : 100.989 secs

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GenCore version 5.1.6
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June 23, 2003, 01:05:28; Search time 174.442 Seconds (without alignments) 2502.502 Million cell updates/sec
 841850
 2054640 seqs, 14551402878 residues
 Total number of hits satisfying chosen parameters:
 Post-processing: Listing first 45 summaries
OM nucleic - nucleic search, using sw model
 OLIGO_NUC
Gapop_60.0 , Gapext 60.0
 US-08-770-564A-10
15
1 GCTCTAGAATGAACG 15
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SUMMARIES

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1 (Dases 1 to 26)
Villeponteau, B., Feng, J., Andrews, W.H. and Adams, R.R.
Methods and reagents for regulating telomere length and telomerase
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 1 (bases 1 to 26)
Villeponteau, B., Feng, J., Funk, W. and Andrews, W.H. Assays for the DNA component of human telomerase Patent: US 5776679-A 23 07-UUL-1998;
Location/Qualifiers
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Emrich T.D.
Method for detection of carcinoma of the urinary bladder within a urine sample EP 0926245-A 2 30-JUN-1999;
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Kim,N.Woo., Wu.F., Kealey,J.T., Fruzan,R. and Weinrich,S.L.
Methods for detecting the RNA component of telomerase
Patent: US 5846723-A 9 08-DEC-1998;
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 1 (bases 1 to 26)
Andrews, W.H., Villeponteau, B., Adams, R.R. and Feng, J.
Methods and reagents for regulating telomere length and telomerase
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1 (bases 1 to 26)
Larsen,F. and Skaanseng,M.
Detecting telomerase activity
Patent: WO 0046601-A 9 10-AUG-2000;
LARSEN FRANK (NO); SKAANSENG MARIANNE (NO)
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1 (bases 1 to 26)
Villeponteau, B., Feng, J., Funk, W. and Andrews, W.H.
Mammalian telomerase
Patent: US 5958680-A 24 28-SEP-1999;
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1 (bases 1 to 26)
Villeponteau, B., Feng, J., Funk, W. and Andrews, W.H.
Mammalian telomerase
Patent: US 6258535.A 23 10-JUL-2001;
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08/851.843, PR
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Thomas, R.S., Jochimu, R., Toru, N., Karen, B.C., Greg, B.M., Calvin, B.H. and William, H.A.
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 Method for detecting bladder cancer in urine samples. B36508 B3650. B3650. B3550. B3550. B3550. B35508. B35508
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Method for detecting bladder cancer in urine samples
Patent: JP 19924395-A 2 14-SEP-1999;
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Human telomerase catalytic subunit promoter.
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Patent: JP 1999253177-A 254 21-SEP-1999;
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 CALVIN B HARLEY, WILLIAM H ANDREWS
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 Kopreski, M.S. and Gocke, C.D.
Method for detection of htr and htert telomerase-associated rna
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Patent: WO 0218652-A 5 07-MAR-2002;
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Sechi, T.R., Lingner, J., Nakamura, T., Chapman, K.B., Mori, G.B.,
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Human telomerase catalytic subunit
Patent: JP 201081041-A 254 27-MAR-2001;
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PCT-US03-04088-559
PCT-US03-04088-559
US-10-314-366-27
US-10-188-5238-5
PCT-US03-04088-529
US-10-188-5236-520
PCT-US03-04088-521
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 US-09-807-809A-5
US-09-954-445A-66031
US-10-355-577-393144
 Total number of hits satisfying chosen parameters:
 7860393 segs, 3496198572 residues
 SUMMARIES
 Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries
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 IDENTITY_NUC
Gapop 10.0 , Gapext 1.0
 US-08-770-564A-11
11
1 GCTCTAGAATG 11
 Query
Match Length
 Minimum DB seq length: 0 Maximum DB seq length: 50
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1000.00
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1000.00
1000.00
 6:
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8:
9:
10:
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Result No.

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Gaps
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 APPLICANT: E.I. Dupont de Nemours and Company, Inc.
TITLE OF INVENTION: METHOD FOR THE RECOMBINATION OF GENETIC ELEMENTS
FILE REFERENCE: CLIP49 PCT
CURRENT APPLICATION NUMBER: PCT/US03/05708
CURRENT FILING DATE: 2003-02-26
PRIOR APPLICATION NUMBER: 60/360,279
PRIOR PLING DATE: 2002-02-26
NUMBER OF SEQ ID NOS: 203
SOFTWARE: Patentin version 3.2
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 OTHER INFORMATION: /note= "antisense hTRT molecule" SEQUENCE DESCRIPTION: SEQ ID NO: 543:
 Length 21;
 Indels
 REFERENCE/DOCKET NUMBER: 015389-002620US TELECOMMUNICATION INFORMATION:
 Query Match
100.0%; Score 11; DB 9; I
Best Local Similarity 100.0%; Pred. No. 5.3e+03;
Matches 11; Conservative 0; Mismatches 0;
 100.0%; Score 11; DB 1;
100.0%; Pred. No. 5.3e+03;
 FILING DATE: 14-AUG-1997
APPLICATION NUMBER: US 08/915,503
FILING DATE: 14-AUG-1997
APPLICATION NUMBER: WO PCT/US97/17885
FILING DATE: 01-OCT-1997
 Mismatches
 APPLICATION NUMBER: US 08/851,843
FILING DATE: 06-MAY-1997
 APPLICATION NUMBER: US 08/911,312
FILING DATE: 14-AUG-1997
 APPLICATION NUMBER: US 08/854,050
 APPLICATION NUMBER: US 08/912,951
 NAME: Ausenhus, Scott L. REGISTRATION NUMBER: 42,271
 Sequence 27, Application PC/TUS0305708 GENERAL INFORMATION:
 FILING DATE: 09-MAY-1997
 TELEFAX: (415) 576-0300 INFORMATION FOR SEQ ID NO: 543: SEQUENCE CHARACTERISTICS:
 ;
0
 ATTORNEY/AGENT INFORMATION:
 LENGTH: 18 base pairs
 ; FEATURE:
; OTHER INFORMATION: Primer 18-5'
PCT-US03-05708-27
 TYPE: nucleic acid
STRANDEDNESS: single
 TYPE: DNA ORGANISM: Artificial Sequence
 LOCATION: 1..18 OTHER INFORMATION:
 Query Match 100.
Best Local Similarity 100.
Matches 11; Conservative
 1 GCTCTAGAATG 11
 1 GCTCTAGAATG 11
 US-10-325-810-543
 SEQ ID NO 27
LENGTH: 21
 쉽
 Gaps
 ö,
) LOCATION: 1..18
; OTHER INFORMATION: /note= "antisense hTRT molecule"
;
US-09-721-456-543
 COUNTY: USA

ZIP: 9411-3834

COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.30

CURRENT APPLICATION NUMBER: US/10/325,810
FILING DATE: 20-Dec-2002
CLASSIFICATION : Unknown>
PRIOR APPLICATION DATA:
 Andrews, William H.
TITLE OF INVENTION: Human Telomerase Catalytic Subunit
NUMBER OF SEQUENCES: 633
 Query Match 100.0%; Score 11; DB 6; Length 18; Best Local Similarity 100.0%; Pred. No. 5.3e+03; Matches 11; Conservative 0; Mismatches 0; Indels
 ADDRESSEE: Townsend and Townsend and Crew LLP STREET: Two Embarcadero Center, Eighth Floor CITY: San Francisco STATE: California
 NAME: Apple, Randolph Ted
REGISTRATION NUMBER: 36,429
REFERENCE/DOCKET NUMBER: 015389-002610US
TELECOMMUNICATION INFORMATION:
 PILING DATE: 14-AUG-1997
APPLICATION NUMBER: WO PCT/US97/17618
FILING DATE: 01-OCT-1997
APPLICATION NUMBER: WO PCT/US97/17885
FILING DATE: 01-OCT-1997
 FILING DATE: 29-Sep-1997
APPLICATION NUMBER: US 08/724,643
FILING DATE: 01-OCT-1996
 APPLICATION NUMBER: US/09/402,181
APPLICATION NUMBER: US 08/915,503
 Sequence 543, Application US/10325810 GENERAL INFORMATION:
 (415) 576-0300
 APPLICANT: Cech, Thomas R.
Lingner, Joachim
Nakamura, Toru
Chapman, Karen B.
 ATTORNEY/AGENT INFORMATION:
 INFORMATION FOR SEQ ID NO: 543:
SEQUENCE CHARACTERISTICS:
LENGTH: 18 base pairs
 TYPE: nucleic acid
STRANDEDNESS: single
 CORRESPONDENCE ADDRESS:
 TOPOLOGY: linear MOLECULE TYPE: DNA
 (415)
 1 GCTCTAGAATG 11
 GCTCTAGAATG 11
 TELEPHONE:
 FEATURE
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Query Match
Best Local Similarity
 SEQ ID NO 543
 Query Match
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 PCT-US03-04088-539/C

FCT-US03-04088-539/C

FCT-US03-04088-539/C

GENERAL INFORMATION:

APPLICANT: Ribozyme Pharmaceuticals, Inc.

APPLICANT: Ribozyme Pharmaceuticals, Inc.

APPLICANT: Beigelman, Leonid

TITLE OF INVENTION: RAN Interference Mediated Inhibition of Telomerase Gene

TITLE OF INVENTION: RAN Interference Mediated Inhibition of Telomerase Gene

TITLE OF INVENTION: RAN Interference Mediated Inhibition of Telomerase Gene

TITLE OF INVENTION: RAN Interference Mediated Inhibition of Telomerase Gene

TITLE OF INVENTION: RAN Interference Mediated Inhibition of Telomerase Gene

TITLE OF INVENTION WUBBE: DC2-00-00

PRIOR PLING DATE: 202-0-10

PRIOR APPLICATION WUMBER: US 60/358,580

PRIOR PLING DATE: 2002-03-11

PRIOR PLING DATE: 2002-03-11

PRIOR PLING DATE: 2002-03-11

PRIOR PLING DATE: 2002-03-05

PRIOR PLING DATE: 2002-09-05

PRIOR PLING DATE: 2003-09-05

PRIOR PLING DATE: 2003-09-05

PRIOR PLING DATE: 2003-09-05

PRIOR PLING DATE: 2003-09-05

PRIOR PLING DATE: 2003-09-09

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 OTHER INFORMATION: Description of Artificial Sequence: sina sense region
 Gaps
 Sequence 202, Application PC/TUS0305708
GENERAL INFORMATION:
GENERAL INFORMATION:
TITLE OF INVENTION METHOD FOR THE RECOMBINATION OF GENETIC ELEMENTS
FILE REFERENCE: CL1794 PCT
CURRENT APPLICATION NUMBER: PCT/US03/05708
CURRENT FILING DATE: 2003-02-26
PRIOR APPLICATION NUMBER: 60/360,279
PRIOR FILING DATE: 2002-02-26
NUMBER OF SEQ ID NOS: 203
SOFTWARE: PATENTIN VERSION 3.2
 ..
0
 Length 21;
 0; Indels
 Score 11; DB 1; I
Pred. No. 5.3e+03;
 0; Mismatches
 NAME/KEY: misc_feature

LOCATION: (20)...(21)

; OTHER INFORMATION: n stands for thymidine

PCT-US03-04088-539
 ORGANISM: Rhodosporidium glutinis
 Query Match

Best Local Similarity 100.0%;

Matches 11; Conservative 0
 . 1 GCTCTAGAATG 11
 3 GCTCTAGAATG 13
 3 GCTCTAGAATG 13
 ORGANISM: Artificial
 PCT-US03-05708-202
 PCT-US03-05708-202
 SEQ ID NO 202
LENGTH: 21
 TYPE: DNA
 TYPE: RNA
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TITLE OF INVENTION: RNA Interference Mediated Inhibition of Telomerase Gene;
TITLE OF INVENTION: Expression Using Short Interfering RNA (siNA)
FILE REFERENCE: 02-708-A (400/080)
FILE REFERENCE: 02-708-A (400/080)
CURRENT APPLICATION NUMBER: PCT/USO3/04088
CURRENT FILING DATE: 2003-04-28
PRIOR APPLICATION NUMBER: US 60/359,580
PRIOR APPLICATION NUMBER: US 60/359,580
PRIOR PILING DATE: 2002-02-10
PRIOR FILING DATE: 2002-02-3-11
PRIOR FILING DATE: 2002-03-11
PRIOR FILING DATE: 2002-06-06
PRIOR FILING DATE: 2002-06-06
PRIOR FILING DATE: 2002-06-06
PRIOR FILING DATE: 2002-06-09
PRIOR FILING DATE: 2002-09-05
PRIOR FILING DATE: 2003-01-15
NUMBER OF SEQ ID NOS: 626
SECOTOR NUMBER: US 60/440,129
PRIOR FILING DATE: 2003-01-15
NUMBER OF SEQ ID NOS: 626
 OTHER INFORMATION: Description of Artificial Sequence: sinh antisense region
 ö
 APPLICANT: Ribozyme Pharmaceuticals, Inc.
APPLICANT: Ribozyme Pharmaceuticals, Inc.
APPLICANT: Ribozyme Pharmaceuticals, Inc.
APPLICANT: Beigelman, Leonid
APPLICANT: Beigelman, Leonid
TITLE OF INVENTION: RNA Interference Mediated Inhibition of Telomerase Gene
TITLE OF INVENTION: Expression Using Short Interfering RNA (siNA)
FILE REFERENCE: 02-708-A (400/080)
CURRENT APPLICATION NUMBER: PCT/US03/04088
PRIOR APPLICATION NUMBER: US 60/396,600
 Gaps
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 ö
 Length 21;
 Length 21;
 Indels
100.0%; Score 11; DB 1; I 100.0%; Pred. No. 5.3e+03;
 100.0%; Score 11; DB 1; 72.7%; Pred. No. 5.3e+03; tive 3; Mismatches 0
 LOCATION: (20)...(21)
CTHER INFORMATION: n stands for thymidine PCT-US03-04088-543
 APPLICANT: Ribozyme Pharmaceuticals, Inc.
APPLICANT: McSwiggen, James
APPLICANT: Beigelman, Leonid
 PCT-US03-04088-543
; Sequence 543, Application PC/TUS0304088
; GENERAL INFORMATION:
 PCT-US03-04088-547/c; Sequence 547, Application PC/TUS0304088; GENERAL INFORMATION:
 Conservative
 Conservative
 1 GCTCTAGAATG 11
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 ||:|:|:|||:|
1 GCUCUAGAAUG 11
 19 GCTCTAGAATG 9
 NAME/KEY: misc feature
 TYPE: RNA
ORGANISM: Artificial
 Local Similarity
nes 8; Conserv
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APPLICANT: Ribozyme Pharmaceuticals, Inc.
APPLICANT: McSwiggen, James
APPLICANT: Beigelman, Leonid
IITLE OP INVENTION: RNA Interference Mediated Inhibition of Telomerase Gene
TITLE OF INVENTION: RNA Interference Mediated Inhibition of Telomerase Gene
TITLE OF INVENTION: Expression Using Short Interfering RNA (siNA)
 Gaps
 .;
0
 LOCATION: (20)...(20)
OTHER INFORMATION: Phosphorothioate 3'-Internucleotide Linkage
 Score 11; DB 1; Length 21;
Pred. No. 5.3e+03;
3; Mismatches 0; Indels
 FEATURE:
OTHER INFORMATION: Description of Artificial Sequence:
OTHER INFORMATION: antisense region
 TITLE REPERENCE: 02-708-A (400/080)
CURRENT APPLICATION NUMBER: PCT/US03/04088
CURRENT FILING DATE: 2003-04-28
PRIOR PAPLICATION NUMBER: US 60/396,600
PRIOR PILING DATE: 2002-07-17
PRIOR PILING DATE: 2002-07-17
PRIOR APPLICATION NUMBER: US 60/358,580
PRIOR PILING DATE: 2002-03-11
PRIOR APPLICATION NUMBER: US 60/363,124
PRIOR PILING DATE: 2002-03-11
PRIOR APPLICATION NUMBER: US 60/366,782
PRIOR PILING DATE: 2002-03-11
PRIOR APPLICATION NUMBER: US 60/366,782
PRIOR PILING DATE: 2002-09-05
PRIOR PRILING DATE: 2002-09-05
PRIOR PRILING DATE: 2002-09-05
PRIOR PILING DATE: 2002-09-09
PRIOR PILING DATE: 2003-01-15
NUMBER OF SED ID NOS: 626
 LOCATION: (20)...(21)
OTHER INFORMATION: n stands for thymidine
 PCT-US03-04088-555/c; Sequence 555, Application PC/TUS0304088; GENERAL INFORMATION:
 NAME/KEY: misc_feature
LOCATION: (14)..(14)
OTHER INFORMATION: 2'-deoxy-2'-fluoro
FRATURE:
 LOCATION: (10)...(10)
OTHER INFORMATION: 2'-deoxy-2'-fluoro
 LOCATION: (17)...(17)
OTHER INFORMATION: 2'-deoxy-2'-fluoro
 LOCATION: (2). (5)
OTHER INFORMATION: 2'-deoxy-2'-fluoro
 SOFTWARE: Patentin version 3.2 SEQ ID NO 551
 Query Match
Best Local Similarity 72.7
Matches 8; Conservative
 FEATURE:
NAME/KEY: misc_feature
 WAME/KEY: misc_feature
 WAME/KEY: misc_feature
 NAME/KEY: misc_feature
 NAME/KEY: misc feature
 TYPE: RNA
ORGANISM: Artificial
 PCT-US03-04088-551
 RESULT 9
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 siNA sense region
 Gaps
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 THER INFORMATION: 5'-3 attached terminal deoxyabasic moeity
 LOCATION: (21)...(21)
OTHER INFORMATION: 3'-3 attached terminal deoxyabasic moeity
 100.0%; Score 11; DB 1; Length 21; ilarity 100.0%; Pred. No. 5.3e+03; Conservative 0; Mismatches 0; Indels
 HER INFORMATION: Description of Artificial Sequence:
 PRIOR APPLICATION NUMBER: US 60/358,580
PRIOR FILING DATE: 2002-02-20
PRIOR PELING DATE: 2002-03-11
PRIOR APPLICATION NUMBER: US 60/363,124
PRIOR APPLICATION NUMBER: US 60/386,782
PRIOR FILING DATE: 2002-06-06
PRIOR FILING DATE: 2002-08-29
PRIOR FILING DATE: 2002-09-05
PRIOR FILING DATE: 2002-09-05
PRIOR APPLICATION NUMBER: US 60/406,784
PRIOR FILING DATE: 2002-09-05
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PRIOR FILING DATE: 2002-09-05
PRIOR FILING DATE: 2002-09-05
PRIOR FILING DATE: 2003-09-05
PRIOR FILING DATE: 2003-09-05
PRIOR FILING DATE: 2003-09-05
PRIOR FILING DATE: 2003-01-15
NUMBER OF SEQ ID NOS: 626
SSOFTWARE: PALENTIN VETSION 3.2
LENGTH: 21
 LOCATION: (20)...(21)
OTHER INFORMATION: n stands for thymidine
 APPLICANT: Ribozyme Pharmaceuticals, Inc. APPLICANT: McSwiggen, James APPLICANT: Beigelman, Leonid
 NAME/KEY: misc_feature
LOCATION: (19)...(19)
OTHER INFORMATION: 2'-deoxy-2'-fluoro
 NAME/KEY: misc feature
CCATION: (7). (9)
OTHER INFORMATION: 2'-deoxy-2'-fluoro
 LOCATION: (1). (2)

OTHER INFORMATION: 2'-deoxy-2'-fluoro
 NAME/KEY: misc feature
COCATION: (4). (5)
JTHER INFORMATION: 2'-deoxy-2'-fluoro
 Sequence 551, Application PC/TUS0304088 GENERAL INFORMATION:
 OCATION: (11)..(14)
FHER INFORMATION: 2'-deoxy-2'-fluoro
 2002-07-17
 1 GCTCTAGAATG 11
 FEATURE:
NAME/KEY: misc_feature
 NAME/KEY: misc feature
 NAME/KEY: misc_feature
 NAME/KEY: misc feature
 Query Match
Best Local Similarity
Matches 11; Conserv
 ORGANISM: Artificial
 PCT-US03-04088-547
 PCT-US03-04088-551
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PET-US03-04088-559

FGQUENCE 559, Application PC/TUS0304088

FGGUENCE 559, Application PC/TUS0304088

FGGUENCE 559, Application PC/TUS0304088

FGGUENCE THORATION: RADOCYME Pharmaccuticals, Inc.

APPLICANT: Reigalman, Leonia

TITLE OF INVENTION: RNA Interference Mediated Inhibition of Telomerase Gene

TITLE OF INVENTION: RNA Interference Mediated Inhibition of Telomerase CURRENT PILICANION: RNA Interference Mediated Inhibition of Telomerase CURRENT PILICANION NUMBER: PCT/US03/04088

CURRENT PILING DATE: 2002-04-28

FRIOR FILING DATE: 2002-02-20

FRIOR FILING DATE: 2002-03-11

FRIOR PILING DATE: 2002-03-11

FRIOR PILING DATE: 2002-03-11

FRIOR PILING DATE: 2002-09-05

FRIOR FILING DATE: 2002-09-05

FRIOR FRIENG DATE: 2002-09-05

FRIOR FILING DATE: 2002-09-05

FRIOR FRIENG DATE: 2002-09-05

FRIENGTH: 21

FRIENGTH: 21

FRIENGTH: 21

FRIENGTH: 21

FRIENGTH: 21
 FEATURE:
OTHER INFORMATION: Description of Artificial Sequence: Target sequence/sinA
OTHER INFORMATION: antisense region
 ö
 ; FEATURE:
; NAME/KEY: misc_feature
; LOCATION: (21)...(21);
; OTHER INFORMATION: 3'-3 attached terminal deoxyabasic mosity
PCT-US03-04088-555
 100.0%; Score 11; DB 1; Length 21; 100.0%; Pred. No. 5.3e+03; ive 0; Mismatches 0; Indels
 FEATURE:
NAME/KEX: misc_feature
NACATION: (10) ...(10)
OTHER INFORMATION: 2'-deoxy-2'-fluoro
 LOCATION: (2). (5)
OTHER INFORMATION: 2'-deoxy-2'-fluoro
 DCCATION: (1)...(1)
OTHER INFORMATION: 2'-deoxy
FEATURE:
NAME/KEY: misc_feature
 LOCATION: (6). (9)
OTHER INFORMATION: 2'-deoxy
 NAME/KEY: misc feature
LOCATION: (11)...(13)
OTHER INFORMATION: 2'-deoxy
FEATURE:
 Best Local Similarity 100.
Matches 11; Conservative
 1 GCTCTAGAATG 11
 FEATURE:
NAME/KEY: misc_feature
 NAME/KEY: misc_feature
 TYPE: RNA
ORGANISM: Artificial
 Query Match
 ð
 OTHER INFORMATION: Description of Artificial Sequence: Target sequence/siNA sense
OTHER INFORMATION: region
COCATION: (1)..(1)
JTHER INFORMATION: 5'-3 attached terminal deoxyabasic moeity
 NAME/KEY: misc feature
LOCATION: (20)7.(21)
OTHER INFORMATION: n stands for thymidine
 FEATURE:
NAME/KEY: misc_feature
LOCATION: (1)..(2)
OTHER INFORMATION: 2'-deoxy-2'-fluoro
 NAME/KEY: misc feature
LOCATION: (7)...(9)
OTHER INFORMATION: 2'-deoxy-2'-fluoro
 NAME/KEY: misc feature
LOCATION: (11) ... (14)
OTHER INFORMATION: 2'-deoxy-2'-fluoro
 LOCATION: (4). (5)

THER INFORMATION: 2'-deoxy-2'-fluoro
 LOCATION: (19)...(19)
OTHER INFORMATION: 2'-deoxy-2'-fluoro
 NAME/KEY: misc feature
LOCATION: (15)...(18)
OTHER INFORMATION: 2'-deoxy
 LOCATION: (3). (3)
OTHER INFORMATION: 2'-deoxy
 NAME/KEY: misc feature
LOCATION: (6). (6)
OTHER INFORMATION: 2'-deoxy
 FEATURE:
NAME/KEY: misc_feature
LOCATION: (10)..(10)
OTHER INFORMATION: 2'-deoxy
 AAME/KEY: misc feature
JOCATION: (1)...(1)
 WAME/KEY: misc_feature
 FEATURE:
NAME/KEY: misc feature
 WAME/KEY: misc_feature
 TYPE: RNA
ORGANISM: Artificial
 SEQ ID NO 555
LENGTH: 21
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Gaps
 | Sequence 5, Application US/10188523C |
| Sequence 5, Application US/10188523C |
| Sequence 5, Application US/10188523C |
| GENERAL INFORMATION: |
| APPLICANT: Tang, Xiao-Song |
| TITLE OF INVENTION BIOPRODUCTION OF PARA-HYDROXYCINNAMIC ACID |
| FILE REFERENCE: BC1009-CLP |
| CURRENT PAPLICATION NUMBER: US/10/188,523C |
| CURRENT FILING DATE: 2002-10-24 |
| PRIOR FILING DATE: 2000-07-27 |
| PRIOR FILING DATE: 1090-07-27 |
| PRIOR FILING DATE: 1990-08-06 |
| NUMBER OF SEQ ID NOS: 38 |
| SOFTWARE: MICROSOFT OFFICE 97 |
| LENGTH: 22
 Sequence 5, Application US/10188523B
; Sequence 5, Application US/10188523B
; GENERAL INFORMATION:
; APPLICANT: Tang, Xiao-Song
; TITLE OF INVENTION: BIOPRODUCTION OF PARA-HYDROXYCINNAMIC ACID
; FILE REFERENCE: BC1009 US DIVCIP
; CURRENT APPLICATION WUMBER: US/10/188,523B
; CURRENT FILING DATE: 2002-10-17
; PRIOR FILING DATE: 2000-07-27
; PRIOR FILING DATE: 1999-08-06
; NUMBER OF SEQ ID NOS: 38
; SOFTWARE: Microsoft Office 97
 ;
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 ; Score 11; DB 10; Length 21;
; Pred. No. 5.3e+03;
0; Mismatches 0; Indels
 Score 11; DB 9; I
Pred. No. 5.3e+03;
CURRENT APPLICATION NUMBER: US/10/374,366 CURRENT FILING DATE: 2003-02-26
 CURRENT FILING DATE: 2003-02-26
PRIOR APPLICATION NUMBER: 60/360,279
PRIOR FILING DATE: 2002-02-26
 TYPE: DNA; ORGANISM: Rhodosporidium glutinis US-10-374-366-202
 ;
0
 100.0%;
 Query Match

Best Local Similarity 100.0%;

Matches 11; Conservative 0.
 TYPE: DNA ORGANISM: Artificial Sequence
 NUMBER OF SEQ ID NOS: 203
SOFTWARE: Patentin version 3.2
SEQ ID NO 202
LENGTH: 21
 TYPE: DNA
ORGANISM: Artificial Sequence
 ; OTHER INFORMATION: primer US-10-188-523B-5
 Conservative
 1 GCTCTAGAATG 11
 Query Match
Best Local Similarity
 US-10-188-523B-5
 SEQ ID NO 5
LENGTH: 22
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 Gaps
 Gequence 202, Application US/10374366
; GENERAL INFORMATION:
APPLICANT: Tang, Xiao-Song
APPLICANT: Milano, JOSEph
TITLE OF INVENTION: METHOD FOR THE RECOMBINATION OF GENETIC ELEMENTS
FILE REFERENCE: CL1794 US NA
 APPLICANT: Tang, Xiao-Song
APPLICANT: Tang, Xiao-Song
APPLICANT: Milano, Joseph
TITLE OF INVENTION: METHOD FOR THE RECOMBINATION OF GENETIC ELEMENTS
FILE REPERROCE: CL1794 US NA
CURRENT APPLICATION NUMBER: US/10/374,366
CURRENT FILING DATE: 2003-02-26
PRIOR APPLICATION NUMBER: 60/360,279
PRIOR PILING DATE: 2002-02-26
NUMBER OF SEQ ID NOS: 203
SOFTWARE: Patent In version 3.2
 ö
 LOCATION: (20)...(20)
OTHER INFORMATION: Phosphorothioate 3'-Internucleotide Linkage
 Length 21;
 100.0%; Score 11; DB 1; Length 21; 72.7%; Pred. No. 5.3e+03;
 Indels
 0; Indels
 100.0%; Score 11; DB 10; 100.0%; Pred. No. 5.3e+03;
 Mismatches
 3; Mismatches
 LOCATION: (20)..(21)
OTHER INFORMATION: n stands for thymidine
 NAME/KEY: misc feature
LOCATION: (17)...(17)
OTHER INFORMATION: 2'-deoxy-2'-fluoro
 OTHER INFORMATION: 2'-deoxy-2'-fluoro
 5-10-374-366-27
Sequence 27, Application US/10374366
GENERAL INFORMATION:
 ; OTHER INFORMATION: Primer 18-5' US-10-374-366-27
 TYPE: DNA ORGANISM: Artificial Sequence
 FEATURE:
NAME/KEY: misc_feature
LOCATION: (18) ... (19)
OTHER INFORMATION: 2'-deoxy
 NAME/KEY: misc feature
LOCATION: (15)...(16)
OTHER INFORMATION: 2'-deoxy
 Query Match
Best Local Similarity 72.7°
Local 8, Conservative
 Query Match 100.
Best Local Similarity 100.
Matches 11; Conservative
 ||:|:||||:|
1 GCUCUAGAAUG 11
 NAME/KEY: misc feature
 NAME/KEY: misc feature LOCATION: (20)..(21)
 NAME/KEY: misc_feature
 PCT-US03-04088-559
 US-10-374-366-202
 SEQ ID NO 27
LENGTH: 21
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FEATURE:
O'THER INFORMATION: Description of Artificial Sequence: Target sequence/siNA sense
CTHER INFORMATION: region
PCT-US03-04088-520
 GENERAL INFORMATION:
APPLICANT: Ribozyme Pharmaceuticals, Inc.
APPLICANT: Ribozyme Pharmaceuticals, Inc.
APPLICANT: Ribozyme Pharmaceuticals, Inc.
APPLICANT: Beigelman, Leonid
ITILE OF INVENTION: RNA Interference Mediated Inhibition of Telomerase Gene
ITILE OF INVENTION: Expression Using Short Interfering RNA (sinA)
ITILE OF INVENTION: Expression Using Short Interfering RNA (sinA)
ITILE OF INVENTION: Expression Using Short Interfering RNA (sinA)
ITILE OF INVENTION WIMBER: DC17/US03/04088
CURRENT FILING DATE: 2003-07-17
FRIOR FILING DATE: 2002-07-17
FRIOR APPLICATION NUMBER: US 60/386,782
FRIOR APPLICATION NUMBER: US 60/363,124
FRIOR FILING DATE: 2002-08-29
FRIOR FILING DATE: 2002-08-29
FRIOR FILING DATE: 2002-08-29
FRIOR APPLICATION NUMBER: US 60/406,784
FRIOR APPLICATION NUMBER: US 60/409,293
FRIOR FILING DATE: 2002-09-09
FRIOR FILIN
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 Query Match
100.0%; Score 11; DB 9; Length 22;
Best Local Similarity 100.0%; Pred. No. 5.3e+03;
Matches 11; Conservative 0; Mismatches 0; Indels
 PCT-US03-04088-520/c
; Sequence 520, Application PC/TUS0304088
; GENERAL INFORMATION:
; OTHER INFORMATION: primer US-10-188-523C-5
 3 GCTCTAGAATG 13
 1 GCTCTAGAATG 11
 TYPE: RNA
ORGANISM: Artificial
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Query Match 100.0%; Score 11; DB 1; Length 23; Best Local Similarity 100.0%; Pred. No. 5.3e+03; Matches 11; Conservative 0; Mismatches 0; Indels Qy 1 GCTCTAGAATG 11

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Gaps

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Db 23 GCTCTAGAATG 13
Search completed: June 26, 2003, 04:15:20
Job time: 264.081 secs

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PCT-US03-04088-539/c
; Sequence 539, Application PC/TUS0304088
; GENERAL INFORMATION:
; APPLICANT: Ribozyme Pharmaceuticals, Inc.
 June 25, 2003, 13:28:55 ; Search time 453.88 Seconds (without alignments) 292.710 Million cell updates/sec
 Pending Patents NA New:*

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13: /cgn2 6/ptodata/1/pna/US00 NEW_CONB.seq2:*
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GenCore version 5.1.6
Copyright (c) 1993 - 2003 Compugen Ltd.
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Maximum Match 100%
Listing first 45 summaries
 OM nucleic - nucleic search, using sw model
 1 GCTCTAGAATGAACGGTGG 19
 IDENTITY NUC
Gapop 10.0 , Gapext 1.0
 US-08-770-564A-9
19
 Minimum DB seq length: 0 Maximum DB seq length: 50
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Perfect score:
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 Database :
 Sequence:
 Searched:
 Run on:
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Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

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SUMMARIES	ID	PCT-US03-04088-539	PCT-US03-04088-543	PCT-US03-04088-551	PCT-US03-04088-555	PCT-US03-04088-559	PCT-US03-04088-520	PCT-US03-04088-521	US-09-721-456-598	US-10-325-810-598	US-10-359-935-23	US-10-330-872-5	US-10-330-872A-5	PCT-US03-04088-538	PCT-US03-04088-542	PCT-US03-04088-546	PCT-US03-04088-550	PCT-US03-04088-554	PCT-US03-04088-558	US-09-721-456-543
	DB			Н	Н	Н	Н	н	9	σ	σ	10	10	-	-1	Н	Н	-1	Н	9
	Length DB	22	21	21	21	21	23	23	26	26	56	30	30	21	21	21	21	21	21	18
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	Score	19	19	19	19	19	19	19	19	19	19	19	19	17	17	. 17	17	17	17	16.4
	ult No.	ч,	ım	4	S	9	7	80	0,	10	1	13	13	14	15	16	17	18	19	20
	Result No.	U	υ		U		Ü	υ						υ		υ		υ		

21	16.	9	18		10-325	Sequence 543, App
22	14.	77.9	25		US-10-355-577-751232	
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27	-	73.7	25	12	US-60-427-808-952738	
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					ALIGNMENTS	
RESULT	1					

	se Gene			egion
	Telomerase Gene (siNA)			siNA sense region
			•	Bina
	TITLE OF INVENTION: RNA Interference Mediated Inhibition of ITITLE OF INVENTION: Expression Using Short Interfering RNA FILE REFERENCE: 02-708-A (400/080) CURRENT APPLICATION NUMBER: PCT/US03/04088 CURRENT FILING DATE: 2003-04-28			OTHER INFORMATION: Description of Artificial Sequence: FEATURE: MANE/KEY: misc_feature LOCATION: (20)(21) OTHER INFORMATION: n stands for thymidine US03-04088-539
	Mediated 3 Short In 704088	580 124 782 784	593	rtificial
APPLICANT: AIDCZYME MALMMCGULLCAIS, INC. APPLICANT: McSwiggen, James APPLICANT: Beice man. Leonid	IITLE OF INVENTION: RNA Interference Media FITLE OF INVENTION: Expression Using Shor ELIE REFERENCE: 02-708-A (400/080) CURRENT APPLICATION NUMBER: PCT/US03/04088 CURRENT FILING DATE: 2003-04-28	PLLING DATE: 2002-07-17  APPLICATION NUMBER: US 60/356,500  APPLICATION NUMBER: US 60/358,580  RILING DATE: 2002-02-20  APPLICATION NUMBER: US 60/363,124  FILING DATE: 2002-03-11  FILING DATE: 2002-06-06  APPLICATION NUMBER: US 60/406,784  FILING DATE: 2002-06-06  APPLICATION NUMBER: US 60/406,784  APPLICATION NUMBER: US 60/406,784  RILING DATE: 2002-08-29  APPLICATION NUMBER: US 60/408,378  FILING DATE: 2002-08-05	APPLICATION NUMBER: US 60/409,293 FILING DATE: 2002-09-09 APPLICATION NUMBER: US 60/440,129 FILING DATE: 2003-01-15 OF SEQ 1D NOS: 626. RE: PatentIn version 3.2 NO 539 H: 21 RNA RNA RNA RE:	OTHER INFORMATION: Description of Artific FEATURE: NAME/KEY: misc feature LOCATION: (20)7.(21) OTHER INFORMATION: n stands for thymidine US03-04088-539
McSwiggen, James Reigel, James Beigelman, Leonid	TITLE OF INVENTION: RMA Interferen TITLE OF INVENTION: Expression Us TILE REFERENCE: 02-708-A (400/080) CURRENT APPLICATION WUMBER: PCT/US CURRENT FILING DATE: 2003-04-28	NUMBER: US 2002-07-17 NUMBER: US 2002-02-20 NUMBER: US 2002-03-11 NUMBER: US 2002-06-06 NUMBER: US 2002-08-29 NUMBER: US 2002-09-05	PRIOR APPLICATION NUMBER: US 6 PRIOR FILING DATE: 2002-09-09 PRIOR PILING DATE: 2003-01-15 PRIOR FILING DATE: 2003-01-15 NUMBER OF SEQ ID NOS: 626 SOFTWARE: PatentIn version 3.2 EQ ID NO 539 LENGTH: 21 TYPE: RNA FEATURE: RNA FEATURE:	: Descrip ature 21) : n stand
McSwige	NVENTION NVENTION RENCE: 02. PLICATION	APPLICATION PARENTAL SPECIFICATION PARENTAL SPECIFICATION PARENTING DATE: PELLING DATE: APPLICATION PARENTS APPLICATION PARENT	RIOR APPLICATION NUM RIOR FILING DATE: 20 RIOR PELING DATE: 20 UMBER OF SEQ ID NOS: OFTWARE: Patentin ve Q ID NO 539 LENGTH: 21 TYPE: RNA ORGANISM: Artificial	misc_fearson (20)(20)(3)
APPLICANT:	ITLE OF 1 ITLE OF 1 ILE REFER URRENT AF		PRICR APPLICATION NUMBER: PRIOR FILING DATE: 2002-0 PRIOR FILING DATE: 2003-0 PRIOR FILING DATE: 2003-0 NUMBER OF SEQ ID NOS: 626 SOFTWARE: Patentin version SEQ ID NO 539 TENGTH: 21 TYPE: RNA ORGANISM: Artificial FEATURE:	OTHER INFORMATION: Desk FEATURE: NAME/KEY: misc feature: LOCATION: (20)(21) OTHER INFORMATION: n st
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100.0%; Score 19; DB 1; Length 21;

Query Match

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APPLICANT: RADATION:
APPLICANT: RASWIGGEN, James
APPLICANT: McSwiggen, James
APPLICANT: Beigelman, Leonid
TITLE OF INVENTION: RNA Interference Mediated Inhibition of Telomerase Gene
 FEATURE:
OTHER INFORMATION: Description of Artificial Sequence: sinA sense region
 ö
 LOCATION: (1). (1) (1) OTHER INFORMATION: 5'-3 attached terminal deoxyabasic moeity
 i LOCATION: (21) ... (21)
i OTHER INFORMATION: 3'-3 attached terminal deoxyabasic moeity
PCT-US03-04088-547
 Query Match
100.0%; Score 19; DB 1; Length 21;
Best Local Similarity 100.0%; Pred. No. 2.2;
Matches 19; Conservative 0; Mismatches 0; Indels
 PRIOR APPLICATION NUMBER: US 60/363,124
PRIOR FILING DATE: 2002-03-11
PRIOR FILING DATE: 2002-03-11
PRIOR PRILING DATE: 2002-06-06
PRIOR PRILING DATE: 2002-06-06
PRIOR PRILING DATE: 2002-09-09
PRIOR FILING DATE: 2002-09-05
PRIOR PLILING DATE: 2002-09-05
PRIOR PLILING DATE: 2002-09-09
PRIOR PLILING DATE: 2003-01-15
NUMBER OF SEQ ID NOS: 626
SOFTWARE: PATCHILIN VETSION 3.2
SEQ ID NOS 547
 LOCATION: (20)...(21)
OTHER INFORMATION: n stands for thymidine
 US 60/358,580
 NAME, KEY: misc feature
LOCATION: (11) ... (14)
OTHER INFORMATION: 2'-deoxy-2'-fluoro
 Sequence 551, Application PC/TUS0304088 GENERAL INFORMATION:
 NAME/KEY: misc feature
LOCATION: (1). (2)
OTHER INFORMATION: 2'-deoxy-2'-fluoro
 LOCATION: (4). . (5)
OTHER INFORMATION: 2'-deoxy-2'-fluoro
 LOCATION: (7). (9)
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 NAME/KEY: misc_feature
 NAME/KEY: misc_feature
 NAME/KEY: misc_feature
 TYPE: RNA
ORGANISM: Artificial
 r-US03-04088-551
 ⋧
 g
 APPLICANT: MCSwiggen, James
APPLICANT: MCSwiggen, James
APPLICANT: MCSwiggen, James
APPLICANT: Beigelman, Leonid
TITLE OF INVENTION: RNA Interference Mediated Inhibition of Telomerase Gene
TITLE OF INVENTION: RNA Interference Mediated Inhibition of Telomerase Gene
TITLE OF INVENTION: RNA Interference Mediated Interfering RNA (siNA)
TITLE OF INVENTION: WORDER: 2003-04-28
FILE REFERENCE: 20-708-A (400/080)
CURRENT FILING DATE: 2003-04-28
PRIOR PELICATION NUMBER: US 60/358,580
PRIOR PELING DATE: 2002-02-20
PRIOR PELING DATE: 2002-03-01
PRIOR PELING DATE: 2002-03-01
PRIOR PELING DATE: 2002-03-01
PRIOR PELING DATE: 2002-06-06
PRIOR PELICATION NUMBER: US 60/406,784
PRIOR PELING DATE: 2002-09-05
PRIOR PELING DATE: 2002-09-05
PRIOR PELING DATE: 2002-09-09
PRIOR PELICATION NUMBER: US 60/409,293
PRIOR PELING DATE: 2002-09-09
PRIOR PELING DATE:
 OTHER INFORMATION: Description of Artificial Sequence: sinA antisense region
 ö
 Sequence 547, Application PC/TUS0304088
GENERAL INFORMATION:
APPLICANT: Ribozyme Pharmaceuticals, Inc.
APPLICANT: Ribozyme Pharmaceuticals, Inc.
APPLICANT: Beigelman, Leonid
TITLE OF INVENTION: RNA Interference Mediated Inhibition of Telomerase Gene
TITLE OF INVENTION: Expression Using Short Interfering RNA (sinA)
FILE REFERENCE: 02-708-A (400/080)
CURRENT APPLICATION NUMBER: PCT/US03/04088
CURRENT FILING DATE: 2003-04-28
PRIOR FILING DATE: 2002-07-17
 Gaps
 Gaps
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 DB 1; Length 21;
 Indels
 Indels
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0
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 Mismatches
 4; Mismatches
 NAME/KEY: misc feature
LOCATION: (20)...(21)
OTHER INFORMATION: n stands for thymidine
 100.0%; Score 19; 78.9%; Pred. No. 2
 Pred. No.
 Sequence 543, Application PC/TUS0304088 GENERAL INFORMATION:
APPLICANT: Ribozyme Pharmaceuticals, Inc.
100.08;
 1 GCUCUAGAAUGAACGGUGG 19
 1 GCTCTAGAATGAACGGTGG 19
 1 GCTCTAGAATGAACGGTGG 19
 19 GCTCTAGAATGAACGGTGG 1
 Best Local Similarity 100.
Matches 19; Conservative
 Query Match
Best Local Similarity 78.9
Matches 15; Conservative
 ORGANISM: Artificial
 PCT-US03-04088-547/c
 -US03-04088-543
 PCT-US03-04088-543
 TYPE: RNA
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Gaps

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FILE REFERENCE: 02-708-A (400/080)
 SEQ ID NO 555
 OTHER INFORMATION: Description of Artificial Sequence: Target sequence/siNA OTHER INFORMATION: antisense region
 ö
 APPLICANT: Ribozyme Pharmaceuticals, Inc.
APPLICANT: McSwiggen, James
APPLICANT: Beigelman, Leonid
TITLE OF INVENTION: RNA Interference Mediated Inhibition of Telomerase Gene
TITLE OF INVENTION: Expression Using Short Interfering RNA (sinA)
 Gaps
Expression Using Short Interfering RNA (siNA) 08-A (400/080)
 PEATURE:
NAMEN/KEY: misc feature
LOCATION: (20) (20) (20)
COTHER INFORMATION: Phosphorothioate 3'-Internucleotide Linkage
PCT-US03-04088-551
 ch 100.0%; Score 19; DB 1; Length 21; 1 Similarity 78.9%; Pred. No. 2.2; 15; Conservative 4; Mismatches 0; Indels
 CURRENT APPLICATION NUMBER: PCT/US03/04088
CURRENT PILING DATE: 2003-04-29
 NAME/KEY: misc feature
LOCATION: (20) ... (21)
OTHER INFORMATION: n stands for thymidine
 PRIOR FILING DATE: 2002-04-28

PRIOR FILING DATE: 2002-07-17

PRIOR FILING DATE: 2002-07-17

PRIOR PILING DATE: 2002-07-17

PRIOR APPLICATION NUMBER: US 60/358,580

PRIOR APPLICATION NUMBER: US 60/36,782

PRIOR PILING DATE: 2002-06-06

PRIOR PILING DATE: 2002-06-06

PRIOR PILING DATE: 2002-06-06

PRIOR PILING DATE: 2002-09-05

PRIOR PILING DATE: 2002-09-05

PRIOR PILING DATE: 2002-09-09

PRIOR PILING DATE: 2003-01-15

NUMBER OF SEQ ID NOS: 626

SEQ ID NO 551

LENGTH: 21
 NAMEZ/KEY: misc feature
LOCATION: (14)...(14)
OTHER INFORMATION: 2'-deoxy-2'-fluoro
 NAME/KEY: misc_feature
LOCATION: (2)...(5)
OTHER INFORMATION: 2'-deoxy-2'-fluoro
FEATURE:
 NAME/KEY: misc_feature
LOCATION: (10)...(10)
OTHER_INFORMATION: 2'-deoxy-2'-fluoro
 LOCATION: (17)...(17)
OTHER INFORMATION: 2'-deoxy-2'-fluoro
 Sequence 555, Application PC/TUS0304088 GENERAL INFORMATION:
 1 GCUCUAGAAUGAACGGUGG_19
 1 GCTCTAGAATGAACGGTGG 19
 NAME/KEY: misc_feature
 Query Match
Best Local Similarity
Matches 15; Conserva
 TYPE: RNA
ORGANISM: Artificial
 RESULT 5
PCT-US03-04088-555/c
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OTHER INFORMATION: Description of Artificial Sequence: Target sequence/sinA sense OTHER INFORMATION: region
 NAME/KEY: misc feature
LOCATION: (1). [1)
OTHER INFORMATION: 5'-3 attached terminal deoxyabasic moeity
 PRIOR FILING DATE: 2002-04-26
PRIOR FILING DATE: 2002-07-17
PRIOR APPLICATION NUMBER: US 60/356,600
PRIOR APPLICATION NUMBER: US 60/356,580
PRIOR PILING DATE: 2002-02-09
PRIOR FILING DATE: 2002-03-11
PRIOR PLILOGATION NUMBER: US 60/363,124
PRIOR PILING DATE: 2002-06-06
PRIOR PILING DATE: 2002-06-06
PRIOR APPLICATION NUMBER: US 60/406,784
PRIOR PILING DATE: 2002-08-29
PRIOR PILING DATE: 2002-08-29
PRIOR PILING DATE: 2002-09-05
PRIOR PLILOGATION NUMBER: US 60/409,293
PRIOR PILING DATE: 2002-09-09
PRIOR PILING DATE: 2003-01-15
 NAME/KEY: misc_feature
LCCATION: (20)..(21)
OTHER INFORMATION: n stands for thymidine
FRATURE:
CATION NUMBER: PCT/US03/04088
 FEATURE:
NAME/KEY: misc_feature
LOCATION: (1)..(2)
OTHER INFORMATION: 2'-deoxy-2'-fluoro
 FEATURE:
NAME/KEY: misc_feature
LOCATION: (7)..(9)
OTHER INFORMATION: 2'-deoxy-2'-fluoro
 NAME/KEY: misc_feature
LOCATION: (4)._(5)
OTHER INFORMATION: 2'-deoxy-2'-fluoro
 VAME/KEY: misc feature
COCATION: (11) ... (14)
OTHER INFORMATION: 2'-deoxy-2'-fluoro
 LOCATION: (19)...(19)
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 NAME/KEY: misc feature
LOCATION: (3). (3)
OTHER INFORMATION: 2'-deoxy
 NAME/KEY: misc_feature
LOCATION: (6)._(6)
OTHER INFORMATION: 2'-deoxy
 NAME/KEY: misc feature
LOCATION: (10)...(10)
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 NAME/KEY: misc feature
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OTHER INFORMATION: 2'-deoxy
 NAME/KEY: misc_feature
LOCATION: (19)..(19)
 TYPE: RNA
ORGANISM: Artificial
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LOCATION: (20) ... (20) OTHER INFORMATION: Phosphorothioate 3'-Internucleotide Linkage
 LOCATION: (14)..(14)

THER INFORMATION: 2'-deoxy-2'-fluoro
 LOCATION: (17)...(17)
OTHER INFORMATION: 2'-deoxy-2'-fluoro
 LOCATION: (15)...(16)
OTHER INFORMATION: 2'-deoxy
 NAME/KEY: misc_feature
LOCATION: (18)...(19)
OTHER INFORMATION: 2'-deoxy
 NAME/KEY: misc_feature
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 NAME/KEY: misc_feature
 NAME/KEY: misc_feature
 Query Match
Best Local Similarity
 TYPE: RNA
ORGANISM: Artificial
 PCT-US03-04088-520
 Query Match
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 8
 OTHER INFORMATION: Description of Artificial Sequence: Target sequence/sinA
 ö
 Gaps
 APPLICANT: MCSWiggen, Janaacculicals, Inc.
APPLICANT: Beigelman, Leonid
TITLE OF INVENTION: RNA Interference Mediated Inhibition of Telomerases
TITLE OF INVENTION: RNA Interference Mediated Inhibition of Telomerases
TITLE OF INVENTION: Expression Using Short Interfering RNA (siNA)
FILE REFERENCE: 02-708-A (400/080)
CURRENT APPLICATION NUMBER: 907/0803/04088
CURRENT APPLICATION NUMBER: US 60/396,600
PRIOR PILING DATE: 2002-07-17
PRIOR PLILING DATE: 2002-07-17
PRIOR PLILING DATE: 2002-03-11
PRIOR APPLICATION NUMBER: US 60/363,124
PRIOR PLILING DATE: 2002-06-06
PRIOR PLILING DATE: 2002-09-05
PRIOR PLILING DATE: 2003-01-15
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 ; LOCATION: (21)...(21)
; OTHER INFORMATION: 3'-3 attached terminal deoxyabasic moeity
PCT-US03-04088-555
 Score 19; DB 1; Length 21; Pred. No. 2.2;
 Query Match
Best Local Similarity 100.0%; Pred. No. 2.2
Matches 19; Conservative 0; Mismatches
 Sequence 559, Application PC/TUS0304088 GENERAL INFORMATION:
APPLICANT: Ribozyme Pharmaceuticals, Inc.
 NAME/KEY: misc feature
LOCATION: (10)...(10)
OTHER INFORMATION: 2'-deoxy-2'-fluoro
 LOCATION: (2). (5)
OTHER INFORMATION: 2'-deoxy-2'-fluoro
 1 GCTCTAGAATGAACGGTGG 19
 NUMBER OF SEQ ID NOS: 626
SOFTWARE: PatentIn version 3.2
EQ ID NO 559
LENGTH: 21
 LOCATION: (1). (1)
OTHER INFORMATION: 2'-deoxy
 LOCATION: (6). (9)

THER INFORMATION: 2'-deoxy
 LOCATION: (11)...(13)...
COTHER INFORMATION: 2'-deoxy
FEATURE: Misc_feature
NAME/KEY: misc_feature
 NAME/KEY: misc_feature
LOCATION: (2)...(5)
 NAME/KEY: misc_feature
 NAME/KEY: misc_feature
 NAME/KEY: misc_feature
 TYPE: RNA
ORGANISM: Artificial
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Target sequence/siNA sense
 ö
 Score 19; DB 1; Length 21; Pred. No. 2.2;
 APPLICANT: McSwiggen, James
APPLICANT: Beigelman, Leonid
TITLE OF INVENTION: RNA Interference Mediated Inhibition of
TITLE OF INVENTION: Expression Using Short Interfering RNA
FILE REFERENCE: 02-708-A (400/080)
CURRENT APPLICATION UNDER: PCT/US03/04088
CURRENT APPLICATION DATE: 2003-04-28
 100.0%; Score 19; DB 1; Length 23;
 OTHER INFORMATION: Description of Artificial Sequence: OTHER INFORMATION: region
 Mismatches
) LOCATION: (20)...(21)
) OTHER INFORMATION: n stands for thymidine PCT-US03-04088-559
 PRIOR FILING DATE: 2002-04-04-8

PRIOR FILING DATE: 2002-07-17

PRIOR APPLICATION NUMBER: US 60/356,600

PRIOR FILING DATE: 2002-07-17

PRIOR APPLICATION NUMBER: US 60/363,124

PRIOR FILING DATE: 2002-03-11

PRIOR FILING DATE: 2002-06-06

PRIOR FILING DATE: 2002-06-06

PRIOR PAPLICATION NUMBER: US 60/406,784

PRIOR PILING DATE: 2002-06-06

PRIOR PILING DATE: 2002-09-05

PRIOR FILING DATE: 2002-09-05

PRIOR FILING DATE: 2002-09-05

PRIOR PILING DATE: 2002-09-05

PRIOR PILING DATE: 2002-09-05

PRIOR PILING DATE: 2002-09-09

PRIOR PILING DATE: 2002-09-09

PRIOR FILING DATE: 2003-09-09

 APPLICANT: Ribozyme Pharmaceuticals, Inc
 Sequence 520, Application PC/TUS0304088 GENERAL INFORMATION:
 100.0%;
illarity 78.9%;
Conservative 4
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Gaps
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 COMPUTER: IN PC Compatible
COMPUTER: IEM PC Compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/721,456
FILING DATE: 22-Nov-2000
CLASSIFICATION: CUNKNOWN>
PRIOR APPLICATION AUMBER: US/08/974,549A
FILING DATE: 19-NOV-1997
APPLICATION NUMBER: US 08/724,643
FILING DATE: 01-OCT-1996
APPLICATION NUMBER: US 08/844,419
 100.0%; Score 19; DB 6; Length 26; 100.0%; Pred. No. 2.2;
 Indels
 ATTORNEY/AGENT INFORMATION:
NAME: Apple, Randolph Ted
RAME: APPLON NUMBER: 36,429
REFERENCE/DOCKET NUMBER: 015389-002610US
 LOCATION: 1..26
OTHER INFORMATION: /note= "R3c primer"
SEQUENCE DESCRIPTION: SEQ ID NO: 598:
 APPLICATION NUMBER: US 08/915,503
FILING DATE: 14-AUG-1997
APPLICATION NUMBER: WO PCT/US97/17618
FILING DATE: 01-OCT-1997
APPLICATION NUMBER: WO PCT/US97/17885
FILING DATE: 01-OCT-1999
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 FILING DATE: 18-APR-1997
APPLICATION NUMBER: US 08/846,017
FILING DATE: 25-APR-1997
 APPLICATION NUMBER: US 08/851,843
FILING DATE: 06-MAY-1997
 APPLICATION NUMBER: US 08/854,050 FILING DATE: 09-MAY-1997
 APPLICATION NUMBER: US 08/911,312
 APPLICATION NUMBER: US 08/912,951
FILING DATE: 14-AUG-1997
 TELECOMMUNICATION INFORMATION:
TELEPHONE: (415) 576-0200
TELEFAX: (415) 576-0300
 ; Sequence 598, Application US/10325810; GENERAL INFORMATION:
APPLICANT: Cech, Thomas R.
 FILING DATE: 14-AUG-1997
 ZIP: 94111 3834
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
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 Lingner, Joachim
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 TELEFAX: (415) 576-03(
INFORMATION FOR SEQ 1D NO: 598:
SEQUENCE CHARACTERISTICS:
LENGTH: 26 base pairs
 Nakamura, Toru
Chapman, Karen
 100.08;
 STATE: California
 Query Match
Best Local Similarity 100.
Matches 19; Conservative
 US-10-325-810-598
 US-09-721-456-598
 RESULT 10
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 Description of Artificial Sequence: Target sequence/siNA sense
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 GENERAL INFORMATION:
APPLICANT: Ribozyme Pharmaceuticals, Inc.
APPLICANT: McSwiggen, James
APPLICANT: McSwiggen, James
APPLICANT: Beigelman, Leonid
TITLE OF INVENTION: RNA Interference Mediated Inhibition of Telomerase Gene
TITLE OF INVENTION: Expression Using Short Interfering RNA (siNA)
FILE REFERENCE: 02-708-A (400/080)
CURRENT APPLICATION NUMBER: PCT/US03/04088
 Gaps
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 Sequence 598, Application US/09721456
GENERAL INFORMATION:
APPLICANT: Cech, Thomas R.
Lingner, Joachim
Nakamura, Toru
Chapman, Karen B.
Morin, Greeg B.
Harley, Calvin B.
Andrews, William H.
TITLE OF INVENTION: Human Telomerase Catalytic Subunit
NUMBER OF SEQUENCES: 727
 DB 1; Length 23;
2.2;
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 CORRESPONDENCE ADDRESS:
ADDRESSEE: Townsend and Townsend and Crew LLP STREET: Two Embarcadero Center, Eighth Floor
 Pred. No. 2.2;
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 PRIOR PELICATION NUMBER: US 60/396,600
PRIOR PELING DATE: 2002-07-17
PRIOR APPLICATION NUMBER: US 60/356,600
PRIOR PILING DATE: 2002-02-03
PRIOR PILING DATE: 2002-03-11
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PRIOR APPLICATION NUMBER: US 60/409,293
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PRIOR PELING DATE: 2003-01-15
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Best Local Similarity 100.
Matches 19; Conservative
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PCT-US03-04088-521
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 -US03-04088-521/c
 RESULT 9
US-09-721-456-598
 SEQ ID NO 521
LENGTH: 23
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US-10-359-935-23
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Andrews, William H.
AITLE OF INVENTION: Human Telomerase Catalytic Subunit
NUMBER OF SECURIOS: 633
CORRESPONDENCE ADDRESS:
ADDRESSER. ...
 100.0%; Score 19; DB 9; Length 26; 100.0%; Pred. No. 2.2;
 ZIP: 94111-3834

COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERTING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.30
 ADDRESSEE: Townsend and Townsend and Crew LLP STREET: Two Embarcadero Center, Eighth Floor CITY: San Francisco STATE: California
 NAME: Ausenhus, Scott L. REGISTRATION NUMBER: 42,271 REFERENCE/DOCKET NUMBER: 015389-002620US
 LOCATION: 1..26
OTHER INFORMATION: /note= "R3c primer"
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 APPLICATION NUMBER: US 08/915,503
FILING DATE: 14-AUG-1997
APPLICATION NUMBER: WO PCT/US97/17885
FILING DATE: 01-OCT-1997
 CURRENT APPLICATION DATA:
REPLICATION NUMBER: US/10/325,810
FILING DATE: 20-DEC-2002
CLASSIFICATION: «UNKNOWI»
 APPLICATION NUMBER: US/09/402,181
FILING DATE: 29-Sep-1997
APPLICATION NUMBER: US 08/724,643
ELLING DATE: 01-0CT-1996
APPLICATION NUMBER: US 08/844,419
FILING DATE: 18-APR-1997
 FILING DATE: 09-MAY-1997
APPLICATION NUMBER: US 08/911,312
FILING DATE: 14-AUG-1997
APPLICATION NUMBER: US 08/912,951
FILING DATE: 14-AUG-1997
 APPLICATION NUMBER: US 08/846,017
FILING DATE: 25-APR-1997
APPLICATION NUMBER: US 08/851,843
 APPLICATION NUMBER: US 08/854,050
 FILING DATE: 06-MAY-1997
 TELECOMMUNICATION INFORMATION
 ATTORNEY/AGENT INFORMATION:
 TYPE: nucleic acid
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 INFORMATION FOR SEQ ID NO: 598
 SEQUENCE CHARACTERISTICS
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 TOPOLOGY: linear MOLECULE TYPE: DNA
 COUNTRY: USA
 TELEPHONE:
 Best Local Similarity
Matches 19; Conserv
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COMPUTER: IBM PC compatible OPERATING SYSTEM: PC-DOS/MS-DOS SOFTWARE: PatentIn Release #1.0, Version #1.30

ZIP: 94111-3834 COMPUTER READABLE FORM: MEDIUM TYPE: Floppy disk

CITY: San Francisco STATE: California

COUNTRY: USA

Feng, Junli Funk, Walter Andrews, William H. TITLE OF INVENTION: Mammalian Telomerase NUMBER OF SEQUENCES: 42 CORRESPONDENCE ADDRESS: STREET: Two Embarcadero Center, Eighth Floor

APPLICANT: Villeponteau, Bryant

Application US/10359935

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APPLICANT: Vasserot, Alain
APPLICANT: Pruzan, Rohald
TITLE OF INVENTION: Using Purified Telomerase to Identify Telomerase Activators and
FITLE OF INVENTION:
FILE REPERBNCE: 011/006C
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 Length 26;
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 NAME: Storella, John R. REGISTRATION NUMBER: 32,944
REFERENCE/DOCKET NUMBER: 015389-000821US
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 APPLICATION NUMBER: US/09/057,351
FILING DATE: 08-APR-1994
APPLICATION NUMBER: US 08/272,102
FILING DATE: 07-JUL-1994
APPLICATION NUMBER: US 08/330,123
FILING DATE: 27-OCT-1994
FILING DATE: 07-JUN-1995
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FILING DATE: 07. Feb-2003
CLASSIFICATION: 435
 Mismatches
 100.0%; Score 19; 100.0%; Pred. No. 2
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 TELECOMMUNICATION INFORMATION:
TELEPHONE: (415) 576-0200
 Sequence 5, Application US/10330872
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 Weinrich, Scott
Atkinson III, Edward
Lichtsteiner, Serge
 ATTORNEY/AGENT INFORMATION
 LENGTH: 26 base pairs
 SEQUENCE CHARACTERISTICS
 PRIOR APPLICATION DATA:
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 INFORMATION FOR SEQ ID NO:
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Indels

Mismatches

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 APPLICANT: MISSWiggen, James APPLICANT: MISSWiggen, James APPLICANT: MISSWiggen, James APPLICANT: Beigelman, Leonid TITLE OF INVENTION: RNA Interference Mediated Inhibition of Telomerase Gene TITLE OF INVENTION: RNA Interference Mediated Inhibition of Telomerase Gene TITLE OF INVENTION: EXPRESSION USING Short Interfering RNA (siNA); FILE REFERENCE: 02-708-A (400/080) CURRENT APPLICATION NUMBER: PCT/US03/04088
CURRENT FILING DATE: 2003-04-28
PRIOR FILING DATE: 2002-07-17
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PRIOR FILING DATE: 2002-06-06
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PRIOR APPLICATION NUMBER: US 60/406,784
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PRIOR PELING DATE: 2002-09-05
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GENERAL INFORMATION:
APPLICANT: Ribozyme Pharmaceuticals, Inc.
 FILING DATE: 2002-09-09
APPLICATION NUMBER: US 60/440,129
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 장. 협
 APPLICANT: Weinrich, Scott
APPLICANT: Weinrich, Scott
APPLICANT: Attinson II, Edward
APPLICANT: Attinson III, Edward
APPLICANT: Attinson III, Edward
APPLICANT: Lichtsteiner, Serge
APPLICANT: Lichtsteiner, Serge
APPLICANT: Prizan, Ronald
TITLE OF INVENTION: Using Purified Telomerase to Identify Telomerase Activators and
TITLE OF INVENTION: Using Purified Telomerase to Identify Telomerase Activators and
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PRIOR FILING DATE: 1999-10-18
PRIOR FILING DATE: 1999-10-18
PRIOR FILING DATE: 2000-11-20
NUMBER OF SEQ ID NOS: 11
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CURRENT APPLICATION NUMBER: US/10/330,872
 APPLICANT: Ribozyme Pharmaceuticals, Inc. APPLICANT: McSwiggen, James
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PRIOR PLLING DATE: 1999-10-18
PRIOR APPLICATION NUMBER: 09/717,828
PRIOR PLLING DATE: 2000-11-20
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SOFTWARE: PatentIn version 3.2

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Gaps

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APPLICANT: Ecaley, James T.
APPLICANT: Fruzan, Ron
APPLICANT: Pruzan, Ron
APPLICANT: Winnint, Scott L.
TITLE OF INVENTION: Inhibitory Polynuclectides Directed
TITLE OF INVENTION: Against the RNA Component of Telomerase
NUMBER OF SEQUENCES: 15
CORRESPONDENCE ADDRESS:
ADDRESSEE: TWO Embarcadero Center, 8th Floor
STREET: Two Embarcadero Center, 8th Floor
STREET: CA
COUNTRY: USA
ZIP: 94111
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 Query Match 100.0%; Score 19; DB 11; Length 19; Best Local Similarity 100.0%; Pred. No. 7.2; Matches 19; Conservative 0; Mismatches 0; Indels
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MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC. compatible
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STRANDEDNESS: single
 TOPOLOGY: linear MOLECULE TYPE: DNA
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US-08-770-564A-9
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 NAME/KEY: -
 RESULT 2
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 RESULT 3
US-09-250-336A-4
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Sequence 112, Appl
Sequence 112, Appl
Sequence 26, Appli
Sequence 26, Appli
Sequence 26, Appli
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 APPLICANT:
TITLE OF INVENTION: Methods for Detecting and Inhibiting the TITLE OF INVENTION: RNA Component of Telomerase NUMBER OF SEQUENCES: 29
CORRESPONDENCE ADDRESS:
ADDRESSEE: Townsend and Townse
 Sequence
 COUNTRY: USA
ZIP: 94111-3834

COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC Compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: PCT/US97/23619
FILING DATE: Not yet assigned
CLASSIFICATION:
PRIOR APPLICATION NUMBER: US 08/770,564
FILING DATE: 20-DEC-1996
PRIOR APPLICATION NUMBER: US 08/770,565
FILING DATE: 20-DEC-1996
APPLICATION NUMBER: US 08/770,565
ATTORNEY/AGENT INFORMATION:
NAME: SLOTELIA, John R.
REGISTRATION NUMBER: 32,944
REFERENCE/DOCKET NUMBER: 32,944
REFERENCE/DOCKET NUMBER: 15389-27PC
TELEPHONE: (415) 576-0200
TELEPHONE: (415) 576-0300
INPORMATION INFORMATION:
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 PCT-US97-23619-9
 APPLICANT
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 RESULT 6
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 APPLICANT: STROVEL, Jeffrey W.
APPLICANT: STRABERG, Judith
APPLICANT: STRABERG, Judith
APPLICANT: STRABERG, Lynne V.
APPLICANT: ABRUZZO, Lynne V.
APPLICANT: HIGHSMITH, Edward
TITLE OF INVENTION: TELCMERASE ASSAY OF BODY FLUIDS FOR CANCER SCREENING
TITLE OF INVENTION: AND ASSESSMENT OF DISEASE STAGE AND PROGNOSIS
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FILE REFERENCE: 10460.0004
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CURRENT FILING DATE: 1999-02-16
PRIOR FILING DATE: 1999-02-16
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 APPLICANT: STAMBERG, Judith
APPLICANT: STAMBERG, Judith
APPLICANT: STAMBERG, Judith
APPLICANT: ABRUZZO, Lynne V.
APPLICANT: HIGHSMITH, Edward
TILLE OF INVENTION: TELOMBERGE ASSAY OF BODY FLUIDS
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CURRENT FILING DATE: 2000-08-18
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RESULT 5 PCT-US96-14679-27

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APPLICANT: VILLEPONTEAU, BRYANT
APPLICANT: FENG, JUNLI
APPLICANT: ANDREWS, WILLIAM H.
APPLICANT: ANDREWS, WILLIAM H.
APPLICANT: ANDREWS, WILLIAM H.
APPLICANT: ADDRWS, ROBERT R.
TITLE OF INVENTION: METHODS AND REAGENTS FOR REGULATING
TITLE OF INVENTION: TELOMERE LENGTH AND TELOMERASE ACTIVITY
NUMBER OF SEQUENCES: 27
CORRESPONDENCE ADDRESS:
ADDRESSEE: GERON CORPORATION
STREET: 200 CONSTITUTION DRIVE
CITY: MENLO PARK
CITY: MENLO PARK
 ö
 APPLICANT: FENG, JUNII
APPLICANT: ANDREWS, WILLIAM H.
APPLICANT: ADAWS, ROBERT R.
TITLE OF INVENTION: METHODS AND REAGENTS FOR REGULATING
TITLE OF INVENTION: TELOMERE LENGTH AND TELOMERASE ACTIVITY
CORRESPONDENCE 27
CORRESPONDENCE ADDRESS:
 0; Indels
 SOFTWARE: Patentin Release #1.0, Version #1.30 CURRENT APPLICATION DATA:
 PatentIn Release #1.0, Version #1.30
 0; Mismatches
 APPLICATION WUMBER: PCT/US96/14679
FILING DATE: 13-SEP-1996
CLASSIFICATION:
ATTORNEY AGENT INFORMATION:
NAME: KASTER ESQ., KEVIN R.
REGISTRATION NUMBER: 32,704
REFERENCE/DOCKET NUMBER: 012/045PCT
TELECOMUNICATION INFORMATION:
TELEPHONE: (415) 473-7779
 Sequence 27, Application PC/TUS9614679A GENERAL INFORMATION:
 ZIP: 94025
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
 ADDRESSEE: GERON CORPORATION
STREET: 200 CONSTITUTION DRIVE
CITY: MENLO PARK
VILLEPONTEAU, BRYANT
 5 GCTCTAGAATGAACGGTGG 23
 1 GCTCTAGAATGAACGGTGG 19
 COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
 TOPOLOGY: linear
MOLECULE TYPE: DNA (genomic)
 Query Match
Best Local Similarity 100.0
Matches 19; Conservative
 (415) 473-7750
 FORMALLON CON SEQUENCE CHARACTERISTICS:
 TELEFAX: (415)473-775
INFORMATION FOR SEQ ID NO
 TYPE: nucleic acid
STRANDEDNESS: sing
 STATE: CALIFORNIA
 OPERATING SYSTEM:
SOFTWARE: PatentI
 U.S.A.
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TYPE: DNA
 à
 엄
 ö
 APPLICANT: Strovel, Jeffrey W
APPLICANT: Stamberg, Judith
APPLICANT: Stamberg, Judith
APPLICANT: Abruszo, Lynne V
APPLICANT: Highsmith, Edwarde
TITLE OF INVENTION: Telomerage Assay of Body Fluids for Cancer Screening
TITLE OF INVENTION: and Assessment of Disease Stage and Prognosis
 Gaps
 ö
 OTHER INFORMATION: Description of Artificial Sequence: R3c, OTHER INFORMATION: synthesized, Gibco-BRL
 Sequence 4, Application PC/TUS9907533
GENERAL INFORMATION:
APPLICANT: THE JOHNS HOPKINS UNIVERSITY SCHOOL OF MEDICINE
TITLE OF INVENTION: TELOMERASE-ASSOCIATED PROTEINS
 Mismatches
 Mismatches
 ATTORNEY/AGENT INFORMATION:
NAME: KASTER ESQ., KEVIN R.
REGISTRATION WUMBER: 32,704
REFERENCE/DOCKET NUMBER: 012/045PCT
TELECOMMUNICATION INFORMATION:
TELEFAX: (415) 473-7759
TELEFAX: (415) 473-7750
INFORMATION FOR SEQ ID NO: 27:
SEQUENCE CHARACTERISTICS:
LENGTH: 26 base pairs
TYPE: nucleic acid
STRANDENNESS: single
 CURRENT APPLICATION NUMBER: PCT/US99/03302
CURRENT APPLICATION NUMBER: PCT/US99/03302
CURRENT FILING DATE: 1999-02-16
EARLIER APPLICATION NUMBER: 60/074,793
EARLIER PILING DATE: 1998-02-16
NUMBER OF SEQ ID NOS: 4
SOFTWARE: Patentin Ver. 2.0
 FILE REFERENCE: 07265/157W01
CURRENT APPLICATION NUMBER: PCT/US99/07533
CURRENT FILING DATE: 1999-04-06
 ch 100.0%; Score 19; 1 Similarity 100.0%; Pred. No. 19; Conservative 0; Mismatch
APPLICATION NUMBER: PCT/US96/14679A FILING DATE: 13-SEP-1996
 Sequence 4, Application PC/TUS9903302 GENERAL INFORMATION:
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 Query Match
Best Local Similarity 100.0%;
Matches 19; Conservative 0;
 TOPOLOGY: linear

MOLECULE TYPE: DNA (genomic)
PCT-US96-14679A-27
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ORGANISM: Artificial Sequence
 Best Local Similarity
Matches 19; Conserv
 FILING DATE: 1. CLASSIFICATION:
 PCT-US99-07533-4
 PCT-US99-03302-4
 SEQ ID NO 4
 Query Match
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Gaps
 Gaps
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0
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 Sequence 4, Application PC/TUS9907533A
GENERAL INFORMATION:
I APPLICANT: THE JOHNS HOPKINS UNIVERSITY SCHOOL OF MEDICINE
TITLE OF INVENTION: TELOMERASE-ASSOCIATED PROTEINS
FILE REFERENCE: 07265/157W01
CURRENT APPLICATION NUMBER: PCT/US99/07533A
CURRENT FILING DATE: 1999-04-06
BARLIER APPLICATION NUMBER: 60/080,783
BARLIER FILING DATE: 1998-04-06
NUMBER OF SEQ ID NOS: 15
SOFTWARE: PASICEOF FOR WINDOWS VERSION 3.0
IENGTH: 26
 Townsend and Townsend Khourie and Crew
 PatentIn Release #1.0, Version #1.25
 0; Mismatches
 Mismatches
EARLIER APPLICATION NUMBER: 60/080,783
EARLIER FILING DATE: 1998-04-06
NUMBER OF SEQ ID NOS: 15
SEQ ID NO 4
LENGTH: 26
 APPLICANT: VILLEPONTEAU, Bryant
APPLICANT: FENG, Junli
APPLICANT: FUNK, Walter
APPLICANT: ANDREWS, William H.
TITLE OF INVENTION: HUMAN TELOMERASE
NUMBER OF SEQUENCES: 24
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 5 GCTCTAGAATGAACGGTGG 23
 GCTCTAGAATGAACGGTGG 23
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Best Local Similarity 100.0%;
Matches 19; Conservative 0
 ORGANISM: Artificial Sequence
 ORGANISM: Artificial Sequence
 Query Match
Best Local Similarity 100.0%;
Matches 19; Conservative
 379 Lytton Avenue
 ; OTHER INFORMATION: primer PCT-US99-07533-4
 ; OTHER INFORMATION: primer PCT-US99-07533-4
 CORRESPONDENCE ADDRESS:
ADDRESSEE: Townsend
 ZIP: 94301
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy
 California
: US
 STREET: 379 Lyt CITY: Palo Alto
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MEDIUM TYPE: 1934

COMPUTER READABLE FORM:

MEDIUM TYPE: Floppy disk

COMPUTER: IBM PC compatible

CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/08/472,802A

FILING DATE: 07-JUL-1994

PRIOR APPLICATION DATA:

APPLICATION DATA:

APPLICATION NUMBER: US 08/320,123

FILING DATE: 17-OCT-1994

ATTORNEY/AGENT INFORMATION:

NAME: STORMEY/AGENT INFORMATION:

NAME: STORMEY/AGENT NUMBER: 15389-000820

TELECOMMUNICATION NUMBER: 15389-000820

TELECOMMUNICATION INFORMATION:

TELECOMMUNICATION INFORMATION:
 Sequence 24, Application US/08472802A

Sequence 24, Application US/08472802A

GENERAL INFORMATION:

APPLICANT: Villeponteau, Bryant
APPLICANT: Feng, Junii

APPLICANT: Funk, Walter

APPLICANT: Andrews, William H.

TITLE OF INVENTION: Mammalian Telomerase

NUMBER OF SEQUENCES: 40

CORRESPONDENCE ADDRESS:

ADDRESSEE: Townsend and Townsend and Crew Lip

STREET: Two Embarcadero Center, Eighth Floor

CITY: San Francisco

CITY: Can Francisco

CONTRESSEE: CONTRESSEE

CONTRESSEE: CONTRESSEE

STREET: AND EMBARCAGES

CITY: San Francisco

CONTRESSEE: CONTRESSEE

CONTRESSEE

STREET: CANTRESSEE

CONTRESSEE

STREET: CANTRESSEE

CONTRESSEE

STREET: CANTRESSEE

CONTRESSEE

CONTRESSEE

CONTRESSEE

CONTRESSEE

STREET: CANTRESSEE

CONTRESSEE

CONTR
 ·1 GCTCTAGAATGAACGGTGG 19
 1 GCTCTAGAATGAACGGTGG 19
 s ecrcracaarcaacerec 23
 ; TOPOLOGY: linear
; MOLECULE TYPE: DNA (genomic)
US-08-387-524-19
 TELEFAX: (415) 576-0300 INFORMATION FOR SEQ ID NO: 2 SEQUENCE CHARACTERISTICS:
 Best Local Similarity 100.
Matches 19; Conservative
 26 base pairs
 TYPE: nucleic acid
STRANDEDNESS: single
 nucleic acid
 STRANDEDNESS:
 USA
 US-08-472-802A-24
 US-08-472-802A-24
 LENGTH:
 Query Match
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 ö
 Query Match 100.0%; Score 19; DB 6; Length 26; Best Local Similarity 100.0%; Pred. No. 7.5; Matches 19; Conservative 0; Mismatches 0; Indels
 CONTREST Two Militia Drive
STREET: Two Militia Drive
CITY: Lexington
STREET: Two Militia Drive
CITY: Lexington
STRTE: MA
COUNTRY: US
ZIP: 02173
COMPUTER READBLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC Compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PARENTIN Release #1.0, Version #1.30
CONFUTER: IBM PC Compatible
OPERATING SYSTEM: US/08/387.524
FILING DATE: 13-FEB-1995
CLASSIPTICATION DATA:
APPLICATION NUMBER: US/08/387,524
FILING DATE: 27-OCT-1994
FILING DATE: 07-UU-1994
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US/08/272,102
FILING DATE: 07-UU-1994
ATTORNEY AGENT INFORMATION:
NAME: Granaban, Patricia
REGISTRATION NUMBER: CSHL94-05A3
TELECOMMUNICATION INPORMATION:
 APPLICANT: Avilion, Ariel A.
APPLICANT: Feng, Juni
APPLICANT: Fonk, Walter
APPLICANT: Funk, Walter
APPLICANT: Marhuenda, Maria A. B.
APPLICANT: Villeponteau, Bryant
TITLE OF INVENTION: RNA Component of Telomerase
CORRESPONDENCES: 42
 15389-000800
 CUCKENT AFFLICATION NUMBER: US/08/272,102
PILING DATE: 07-JUL-1994
CLASSIPRCATION: 432
ATTORNEY/AGENT INFORMATION:
NAME: Smith, William M
REGISTRATION NUMBER: 30,223
REFERENCE/DOCKET NUMBER: 13899-00080
FELECOMMUNICATION INFORMATION:
PELEPAN: (415) 326-2420
TELEFAX: (415) 326-2422
INFORMATION FOR SEQ ID NO: 23:
SEQUENCE CHARACTERISTICS:
LENGTH: 26 base pairs
TYPE: nucleic acid
STRANDENNES: single
 Sequence 19, Application US/08387524 GENERAL INFORMATION:
 1 GCTCTAGAATGAACGGTGG 19
 APPLICANT: Andrews, William H. APPLICANT: Avilion, Ariel A.
 SEQUENCE CHARACTERISTICS:
CURRENT APPLICATION DATA:
 TELEFAX: 617-861-9540 INFORMATION FOR SEQ ID NO:
 TOPOLOGY: linear
HOLECULE TYPE: DNA
US-08-272-102-23
 US-08-387-524-19
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Score 19; DB 8; Length 26; Pred. No. 7.5;
 APLICANT: Feng, Junia H.

APPLICANT: Feng, Junia H.

APPLICANT: Funk, Walter

APPLICANT: Greider, Carol

APPLICANT: Villeponteau, Bryant

ITLE OF INVENTION: RNA Component of Telomerase

NUMBER OF SEQUENCES: 43

CORRESPONDENCE ADDRESS:

ADDRESSE: Hamilton, Brook, Smith & Reynolds, P.C.

STREET: Wo Militia Drive

CITY: Lexington

STATE: MA

COUNTRY: US

ZIP.
 CURRENT APPLICATION DATA:

CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/08/482,115A
FILING DATE: 07-JUN-1995
CLASSIFICATION: 435
PRIOR APPLICATION DATA:

APPLICATION NUMBER: US 08/330,123
FILING DATE: 27-OCT-1994
PRIOR APPLICATION DATA:

APPLICATION NUMBER: US 08/32,102
FILING DATE: 07-JUL-1994
ATTORNEY/AGENT INFORMATION:

NAME: Smith, William M
REGISTRATION NUMBER: 13389-000830
TELECOMMUNICATION INFORMATION:
 SOFTWARE: PatentIn Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/520,550
 0; Mismatches
 UMBER: US/08/520,550
29-AUG-1995
 COMPUTER: IBM PC compatible OPERATING SYSTEM: PC-DOS/MS-DOS
 MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
 Sequence 19, Application US/08520550 GENERAL INFORMATION:
 5 GCTCTAGAATGAACGGTGG 23
 Query Match
Best Local Similarity 100.0%;
Matches 19; Conservative 0
 TELEPHONE: (415) 326-2400
TELEFAX: (415) 326-2422
INFORMATION FOR SEQ ID NO: 23:
SEQUENCE CHARACTERISTICS:
LENGTH: 26 base pairs
 STRANDEDNESS: single
COMPUTER READABLE FORM:
 COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy
 TYPE: nucleic acid
 MOLECULE TYPE: DNA
 US-08-482-115A-23
 ઠે
 g
 Score 19; DB 8; Length 26;
Pred. No. 7.5;
 0; Indels
 COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: Floppy disk
COMPUTER: Floppy disk
COMPUTER: Eloppy disk
COMPUTER: EM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/472,802B
FILING DATE: 07-JUN-1995
CLASSIFICATION DATA:
APPLICATION NUMBER: US 08/272,102
FILING DATE: 07-JUL-1994
PRIOR APPLICATION NUMBER: US 08/330,123
FILING DATE: 27-OCT-1994
ATPONEY/AGENT INFORMATION:
ANDER APPLICATION NUMBER: US 08/330,123
FILING DATE: 27-OCT-1994
ATPONEY/AGENT INFORMATION:
 APPLICANT: VILLEPONTEAU, Bryant
APPLICANT: VILLEPONTEAU, Bryant
APPLICANT: FENG, Junii
APPLICANT: FUNK, Walter
APPLICANT: ANDREWS, William H.
TITLE OF INVENTION: HUMAN TELOMERASE
NUMBER OF SEQUENCES: 34
CORRESONDENCE ADDRESS:
ADDRESSEE: Townsend and Townsend and Crew LLP
STREET: Two Embarcadero Center, 8th Floor
CITY: San Francisco
 ADDRESSEE: Townsend and Townsend and Crew LLP
STREET: Two Embarcadero Center, Eighth Floor
CITY: San Francisco
STATE: California
COUNTRY: USA
 Mismatches
 APPLICANT: Villeponteau, Bryant
APPLICANT: Feng, Junli
APPLICANT: Andrews, William H.
TITLE OF INVENTION: Mammalian Telomerase
NUMBER OF SEQUENCES: 43
CORRESPONDENCE ADDRESS:
 US-08-472-802B-24; Sequence 24, Application US/08472802B; GENERAL INFORMATION:
 Sequence 23, Application US/08482115A GENERAL INFORMATION:
 TELEPHONE: (415) 576-0200
TELEFAX: (415) 576-0300
INFORMATION FOR SEQ ID NO: 24:
SEQUENCE CHARACTERISTICS:
LENGTH: 26 base pairs
TYPE: nucleic acid
 REFERENCE/DOCKET NUMBER: II
TELECOMMUNICATION INFORMATION
TELEPHONE: (415) 576-0200
TELEFAX: (415) 576-0300
 Query Match
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Matches 19; Conservative 0
 US-08-472-802B-24
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PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/387,524
FILING DATE: 13-FEB-1995
PRIOR APPLICATION DATA:

CITY: Sar STATE: Ca COUNTRY:

CLASSIFICATION:

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APPLICATION NUMBER: US 08/330,123
PILING DATE: 27-OCT-1994
PILING DATE: 27-OCT-1994
PATORNEY/AGENT UNDER: US 08/272,102
ATORNEY/AGENT INPORMATION:
NAME: Granaha, Patricia
REGISTRATION NUMBER: 32,227
REFERENCE/DOCKET NUMBER: CSHL94-05A3B
TELECOMMUNICATION INPORMATION:
TELEPHONE: 617-861-6240
TELEPHONE: 62 base pairs
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TOPOLOGY: 1 innar
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US-08-520-550-19

Query Match
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Matches 19; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
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Harley, Caīvin
Andrews, William H.
TITLE OF INVENTION: HUMAN TELOMERASE CATALYTIC SUBUNIT: DIAGNOSTIC AND
THERAPEUTIC METHODS
 NUMBER OF SEQUENCES:
THEARDENTIC METHODS
CORRESPONDENCE ADDRESS:
ADDRESSEE: Twomsend and Crew LLP
STREET: Two Embarcadero Center, 8th Floor
CITY: San Francisco
STRATE: Two Embarcadero Center, 8th Floor
CITY: San Francisco
STRATE: California
COUNTRY: United States of America
ZIP: 94111
COMPUTER: READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/10/044,692
FLILNG DATE: 11-Jan-2002
CLASSIFICATION NUMBER: US 08/854,050
FRILNG DATE: O9-MAY-1997
APPLICATION NUMBER: US 08/851,843
FILING DATE: 06-MAY-1997
APPLICATION NUMBER: US 08/851,843
FILING DATE: 25-APR-1997
APPLICATION NUMBER: US 08/844,419
FILING DATE: 25-APR-1997
APPLICATION NUMBER: US 08/814,419
 0 US-09-810-521-14

US-09-952-5228-31 · US-10-011-366-16

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US-10-098-2588-1399

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US-10-098-2638-31381
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 Sequence 312, Application US/10044692; Publication No. US20030096344A1
GENERAL INFORMATION:
APPLICANT: Cech, Thomas R.
Lingner, Joachim
Nakamura, Toru
Chapman, Karen B.
 Morin, Gregg B.
 US-10-044-692-312
Sequence 6449, Applacements 3, Applacements 3, Applacements 1883, A Sequence 19, Applacements 255, Applacements 234, Applacements 235, Applacements 235, Applacements 235, Applacements 236, App
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Sequence 20598, A
Sequence 53938, A
Sequence 69798, A
Sequence 7103, Ap
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US-10-090-182A-255

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US-10-090-182A-235

US-10-090-182A-315

US-10-090-182A-315

US-10-090-182A-316

US-10-090-182A-316

US-10-090-182A-316

US-10-090-2638-118949

US-10-215-112-12846

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Maximum Match 100%
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0; Gaps

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 CURRENT APPLICATION DATA:

SOFTWARE PATENTIN Release #1.0, Version #1.30
CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/09/057,351
FILING DATE: 08-APR-1994
CLASSIFICATION 1435
PRIOR APPLICATION DATA:

APPLICATION NUMBER: US 08/272,102
FILING DATE: 07-JUL-1994
PRIOR APPLICATION DATA:

APPLICATION NUMBER: US 08/330,123
FILING DATE: 27-OCT-1994
PRIOR APPLICATION NUMBER: US 08/472,802
FILING DATE: 07-JUN-1995
ATPONENTYAGENT INFORMATION:
NAME: STORIAL JOHN R.

REGISCRATION NUMBER: 32,944
REGISCRACET INFORMATION:
NAME: STORIAL JOHN R.

REGISCRACET NUMBER: 32,944
REGISCRACET NUMBER: 32,944
REGISCRACET NUMBER: 32,944
REFERENCE/DOCKET NUMBER: 32,944
REFERENCE/DOCKET NUMBER: 32,944
REFERENCE/DOCKET NUMBER: 32,944
 Townsend and Crew LLP
 Two Embarcadero Center, Eighth Floor
 Mismatches
 APPLICANT: Vileponteau, Bryant
APPLICANT: Feng, Junii
APPLICANT: Funk, Walter
APPLICANT: Andrews, William H.
TITLE OF INVENTION: Mammalian Telomerase
NUMBER OF SEQUENCES: 42
CORRESPONDENCE ADDRESS:
 TOPOLOGY: linear

MOLECULE TYPE: DNA
SEQUENCE DESCRIPTION: SEQ ID NO: 312:
US-10-044-539-312
 COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
CMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
 (415) 576-0200
 Sequence 23, Application US/09057351
Patent No. US20010034439A1
GENERAL INFORMATION:
 REFERENCE/DOCKET NUMBER:
TELECOMMUNICATION INFORMATION
TELEPHONE: (415) 576-020
 TELEFAX: (415) 576-0300 INFORMATION FOR SEQ ID NO: 312: SEQUENCE CHARACTERISTICS:
 1 GCTCTAGAATGAACGGTGG 19
 ö
 LENGTH: 26 base pairs
 FELECOMMUNICATION INFORMATION:
 TYPE: nucleic acid
STRANDEDNESS: single
 Townsend and
 TELEFAX: (415) 576-0300
INFORMATION FOR SEQ ID NO: 2
SEQUENCE CHARACTERISTICS:
 Conservative
 LENGTH: 26 base pairs
 CITY: San Francisco
STATE: California
 Query Match
Best Local Similarity
Matches 19; Conserva
 nucleic aci
 STATE: Californie
COUNTRY: USA
ZIP: 94111-3834
 STRANDEDNESS:
 ADDRESSEE:
STREET: Tw
 TELEPHONE:
 US-09-057-351-23
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 Andrews, William H.
TITLE OF INVENTION: HUMAN TELOMERASE CATALYTIC SUBUNIT: DIAGNOSTIC AND
THERAPEUTIC METHODS
 ö
 Query Match
Best Local Similarity 100.0%; Pred. No. 0.72;
Matches 19; Conservative 0; Mismatches 0; Indels
 COMPIETE: United States of America
ZIP: 94111
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.30
 CORRESPONDENCE ADDRESS:
ADDRESSEE: Townsend and Townsend and Crew
STREET: Two Embarcadero Center, 8th Floor
 NAME: Apple, Randolph T.
REGISTRATION NUMBER: 36,429
REFERENCE/DOCKET NUMBER: 015389-002600US
TELECOMMUNICATION:
 APPLICATION NUMBER: 08/912,951
FILING DATE: «Unknown»
APPLICATION NUMBER: US 08/854,050
FILING DATE: 09-MAY-1997
APPLICATION NUMBER: US 08/851,843
FILING DATE: 06-MAY-1997
APPLICATION NUMBER: US 08/846,017
APPLICATION NUMBER: US 08/724,643
 CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/10/044,539
FILING DATE: 11.4an-2002
CLASSIPICATION: 435
 FILING DATE: 25-APR-1997
APPLICATION NUMBER: US 08/844,419
 TOPOLOGY: linear

MOLECULE TYPE: DNA

SEQUENCE DESCRIPTION: SEQ ID NO: 312:
US-10-044-692-312
 Sequence 312, Application US/10044539
Publication No. US20030100093A1
GENERAL INFORMATION:
 TELEPHONE: (415) 576-0200
 FILING DATE: 01-OCT-1996 ATTORNEY/AGENT INFORMATION:
 FILING DATE: 18-APR-1997
 APPLICATION NUMBER: US 0:
FILING DATE: 01-OCT-1996
ATTORNEY/AGENT INFORMATION:
 (415) 576-0300
 APPLICANT: Cech, Thomas R.
Lingner, Joachim
Nakamura, Toru
Chapman, Karen B.
 5 GCTCTAGAATGAACGGTGG 23
 TELEFAX: (415) 576-03(
INFORMATION FOR SEQ ID NO: 312:
SEQUENCE CHARACTERISTICS:
LENGTH: 26 base pairs
 Morin, Gregg B.
Harley, Calvin
 TYPE: nucleic acid
STRANDEDNESS: single
 CITY: San Francisco
 NUMBER OF SEQUENCES: 335
 PRIOR APPLICATION DATA:
 JS-10-044-539-312
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Gaps
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 Query Match 69.5%; Score 13.2; DB 9; Length 26; Best Local Similarity 83.3%; Pred. No. 1e+03; Matches 15; Conservative 0; Mismatches 3; Indels
 69.5%; Score 13.2; DB 9; Length 25; 83.3%; Pred. No. 1e+03; 1ive 0; Mismatches 3; Indel8
) OTHER INFORMATION: Description of Artificial Sequence: Bone ; OTHER INFORMATION: sialoprotein forward primer US-09-952-5228-19
 APPLICANT: LILLI, Ramon
APPLICANT: LILLI, Ramon
APPLICANT: Putrell, J. William
APPLICANT: Hedrick, Marc H.
APPLICANT: Benhaim, Prosper
APPLICANT: Benhaim, Prosper
APPLICANT: Lorenz, Hermann Peter
APPLICANT: Dorenz, Hermann Peter
APPLICANT: Stu, Min
TITLE OF INVENTION: ADIPOSE-DERIVED STEM CELLS AND LATTICES
FILE REFERENCE: 30448.770S11
CURRENT APPLICATION NUMBER: 2001-09-10
PRIOR APPLICATION NUMBER: PGT/USOO/06232
 NUMBER OF SEQ ID NOS: 131066
SOFTWARE: Microarray Probe Sequence Listing Generator V 1.1
SEQ ID NO 51583
LENGTH: 25
 APPLICANT: Mittman, Michael
TITLE OF INVENTION: Human Microarray
FILE REPERENCE: 3118.1
CURRENT APPLICATION NUMBER: US/10/098,263B
CURRENT FILING DATE: 2003-01-08
PRIOR APPLICATION NUMBER: 60/276,759
PRIOR FILING DATE: 2001-03-16
 ; Sequence 51583, Application US/10098263B
; Publication No. US20030104410A1
; GENERAL INFORMATION:
 PRIOR FILING DATE: 2000-03-10
PRIOR PRING DATE: 2000-03-10
PRIOR PILING DATE: 1999-03-10
PRIOR PLING DATE: 1999-10-09
PRIOR PILING DATE: 1999-10-29
NUMBER OF SEQ ID NOS: 58
SOFTWARE PATENTIN Ver. 2.1
LENGTH: 26
 ; Sequence 19, Application US/09952522B
; Publication No. US20030082152A1
; GENERAL INFORMATION:
 2 CTCTAGAATGAACGGTGG 19
 7 CTCTAGAGTCAACGCTGG 24
 1 GCTCTAGAATGAACGGTG 18
 TYPE: DNA
ORGANISM: Artificial Sequence
 Query Match
Best Local Similarity 83.3'
 APPLICANT: Katz, Adam J.
 ORGANISM: Homo sapien
US-10-098-263B-51583
 US-10-098-263B-51583
 TYPE: DNA
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 à
 Sequence 3, Application US/10139483
Publication No. US20030055266A1
GENERAL INPORMATION:
GENERAL INPORMATION:
GENERAL INPORMATION:
FERENCE OF THE Belan, Dominic P
APPLICANT: Behan, Dominic P
APPLICANT: Chalmers, Derek T
APPLICANT: Menzaghi, Frederique
APPLICANT: Menzaghi, Frederique
APPLICANT: Menzaghi, Frederique
APPLICANT: Arah-Pleynec, Sonja
TITLE OF INVENTION: Six
FILE REFRENCE: ARENO058
CURRENT APPLICATION NUMBER: US/10/139,483
CURRENT APPLICATION NUMBER: US/09/513,838
FRIOR APPLICATION NUMBER: US/09/513,838
FRIOR PRILING DATE: 2000-02-25
FRIOR PRILING DATE: 1999-07-30
NUMBER OF SEQ ID NOS: 6
SOUTWARE: PATENTIN OF SEC ID NOS: 6
NUMBER OF SEQ ID NOS: 6
 ö
 Gaps
 ö
 ö
 Score 13.8; DB 9; Length 31;
Pred. No. 4.9e+02;
0; Mismatches 2; Indels
 Ouery Match
100.0%; Score 19; DB 10; Length 26;
Best Local Similarity 100.0%; Pred. No. 0.72;
Matches 19; Conservative 0; Mismatches 0; Indels
 72.6%; Score 13.8; DB 9; Length 25; 88.2%; Pred. No. 4.8e+02; tive 0; Mismatches 2; Indels
 NUMBER OF SEQ ID NOS: 13166
SOFTWARE: Microarray Probe Sequence Listing Generator V 1.1
 Sequence 64498, Application US/10098263B
Publication No. US20030104410A1
GENERAL INFORMATION:
APPLICANT: Mittman, Michael
TILE OF INVENTION: Human Microarray
FILE REFERENCE: 3118.1
CURRENT APPLICATION NUMBER: US/10/098, 263B
CURRENT FILING DATE: 2003-01-08
PRIOR FILING DATE: 2001-03-16
 5 GCTCTAGAATGAACGGTGG 23
 3 TCTAGAATGAACGGTGG 19
 23 rcragaargaacrerag 7
 72.6%;
88.2%;
 Query Match 72.6
Best Local Similarity 88.2
Matches 15; Conservative
 Conservative
 TYPE: DNA
ORGANISM: Homo sapiens
 ORGANISM: Homo sapien
; TOPOLOGY: linear; MOLECULE TYPE: DNA US-09-057-351-23
 Query Match
Best Local Similarity
Matches 15; Conserv
 US-10-098-263B-64498/C
 US-10-098-263B-64498
 SEQ ID NO 64498
LENGTH: 25
 US-10-139-483-3
 SEQ ID NO 3
LENGIH: 31
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Sequence 234, Application US/10090182A Publication No. US20030103936A1
 APPLICANT: Abrams, Mark A.
 TELEFAX:
 RESULT 9
US-10-090-182A-234
 RESULT 10
 g
 à
 Title OF INVENTION: Methods of Ex-vivo Expansion of Hematopoietic Cells Using Interleukin-3 (IL-3) Multiple Mutation Polypeptides
 69.5%; Score 13.2; DB 9; Length 40; 83.3%; Pred. No. 1.1e+03; ive 0; Mismatches 3; Indels
 ADDRESSEE: S. Christopher Bauer, Pharmacia Corp
Corporate Patent Dept. Mail Zone 04E
STREET: 800 N. Lindbergh Blvd.
 COMPUTER: IBM PC compatible
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/10/090,182A
FILING DATE: 03-Apr-2002
CLASSIFICATION: VUNCHOWN->
 APPLICATION NUMBER: 08/764,114
FILING DATE: 09-DEC-1996
APPLICATION NUMBER: US 07/981,044
FILING DATE: 24-NOV-1992
APPLICATION NUMBER: PCT/US93/11197
FILING DATE: 22-NOV-1993
 Bauer, S. C.
Braford-Goldberg, Sarah R.
Caparon, Maire H.
 TOPOLOGY: linear

MOLECULE TYPE: DNA (synthetic)

SEQUENCE DESCRIPTION: SEQ ID NO: 255:
US-10-090-182A-255
 APPLICATION NUMBER: 08/411,795
FILING DATE: 04-JUN-1995
 NAME: S. Christopher Bauer
REGISTRATION NUMBER: 42,305
 Sequence 255, Application US/10090182A Publication No. US20030103936A1 GENERAL INFORMATION:
 ZIP: 63167
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
 TELECOMMUNICATION INFORMATION
 FELEPHONE: (636)737-625
 McKearn, John P.
Olins, Peter O.
 ATTORNEY/AGENT INFORMATION
1 GCTCTAGAATGAAGACTG 18
 LENGTH: 40 base pairs
 GCTCTATAATGATCGATG 29
 Easton, Alan M.
 APPLICANT: Abrams, Mark A.
 TYPE: nucleic acid
STRANDEDNESS: single
 (736) 737-62
 INFORMATION FOR SEQ ID NO: 255
 NUMBER OF SEQUENCES: 415
 Olins, Peter '
Paik, Kumnan
 PRIOR APPLICATION DATA:
 CORRESPONDENCE ADDRESS
 Query Match
Best Local Similarity 83.3
Matches 15, Conservative
 CITY: St. Louis
 STATE: Missouri
COUNTRY: USA
 US-10-090-182A-255
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Methods of Ex-vivo Expansion of
Hematopoietic Cells Using Interleukin-3 (IL-3) Multiple
Mutation Polypeptides
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 Gaps
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 Length 41;
 Indels
 ADDRESSEE: S. Christopher Bauer, Pharmacia Corp
Corporate Patent Dept. Mail Zone O4E
STREET: 800 N. Lindbergh Blvd.
 COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.25
 Score 13.2; DB 9;
Pred. No. 1.1e+03;
0; Mismatches 3;
 PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/764,114
FILING DATE: 09-DEC-1996
APPLICATION NUMBER: US 07/981,044
FILING DATE: 24-NOV-1992
APPLICATION NUMBER: PCT/US93/11197
FILING DATE: 22-NOV-1993
APPLICATION NUMBER: 08/411,795
FILING DATE: 04-JUN-1995
ATTORNEY/AGENT INFORMATION:
 CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/10/090,182A
FILING DATE: 03-Apr-2002
CLASSIFICATION: <UNKNOWN>
 REFERENCE/DOCKET NUMBER: C2713/12
 TOPOLOGY: linear MOLECULE TYPE: DNA (synthetic) SEQUENCE DESCRIPTION: SEQ ID NO: 234: US-10-090-182A-234
 Sarah
 REGISTRATION NUMBER: 42,30
 NAME: S. Christopher Bauer
 TITLE OF INVENTION: Methods of
 TELECOMMUNICATION INFORMATION:
TELEPHONE: (636)737-6257
Bauer, S. C.
Braford-Goldberg,
Caparon, Maire H.
Easton, Alan M.
 Klein, Barbara K.
McKearn, John P.
Olins, Peter O.
Paik, Kumnan
 MEDIUM TYPE: Floppy disk
 18
 (736) 737-625
 12 GCTCTATAATGATCGATG 29
 LENGTH: 41 base pairs
 STRANDEDNESS: single
 Query Match
Best Local Similarity 83.3%;
Matches 15; Conservative
 1 GCTCTAGAATGAACGGTG
 INFORMATION FOR SEQ ID NO: 23
 SEQUENCE CHARACTERISTICS
 ZIP: 63167
COMPUTER READABLE FORM:
 NUMBER OF SEQUENCES: 4
CORRESPONDENCE ADDRESS
 CITY: St. Louis
STATE: Missouri
COUNTRY: USA
 Thomas,
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mernods of Ex-vivo Expansion of Hematopoietic Cells Using Interleukin-3 (IL-3) Multiple Mutation Polypeptides
 ö
 ZIP: 63167

COMPUTER READABLE FORM:

MEDIUM TYPE: Floppy disk

COMPUTER: IBM PC compatible

OPERATING SYSTEM: PC-DOS/NS-DOS

SOFTWARE: Patentin Release #1.0, Version #1.25

CURRENT APPLICATION NUMBER: US/10/090,182A

FILING DATE: 03-Apr-2002

CLASSIFICATION: cUnknown>
 NUMBER OF SEQUENCES: 415
CORRESPONDENCE ADDRESS:
ADDRESSEE: S. Christopher Bauer, Pharmacia Corp
Corporate Patent Dept. Mail Zone 04E
STREET: 800 N. Lindbergh Blvd.
 Indels
 Query Match 69.5%; Score 13.2; DB 9; Best Local Similarity 83.3%; Pred. No. 1.1e+03; Matches 15; Conservative 0; Mismatches 3;
 PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/764,114
FILING DATE: 09-DEC-1996
APPLICATION NUMBER: US 07/981,044
FILING DATE: 24-NOV-1992
APPLICATION NUMBER: PCT/US93/11197
FILING DATE: 22-NOV-1993
APPLICATION NUMBER: 08/411,795
FILING DATE: 04-JUN-1995
 NAME: S. Christopher Bauer
REGISTRATION NUMBER: 42,305
REFERENCE/DOCKET NUMBER: C2713/12
 TOPOLOGY: linear
MOLECULE TYPE: DNA (synthetic)
SEQUENCE DESCRIPTION: SEQ ID NO: 409:
 Sarah R.
 Braford-Goldberg, S
Caparon, Maire H.
Easton, Alan M.
Klein, Barbara K.
 TELECOMMUNICATION INFORMATION
 McKearn, John P.
Olins, Peter O.
Paik, Kumnan
 TITLE OF INVENTION: Methods
 ATTORNEY/AGENT INFORMATION:
 APPLICANT: Abrams, Mark A.
 rhomas, John W
 INFORMATION FOR SEQ ID NO: 409
 TYPE: nucleic acid
STRANDEDNESS: single
 ; Publication No. US20030103936A1; GENERAL INFORMATION:
 38 GCTCTATAATGATCGATG
 SEQUENCE CHARACTERISTICS
 Bauer, S. C.
 CITY: St. Louis
STATE: Missouri
 COUNTRY: USA
 US-10-090-182A-409
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 8
 Using Interleukin-3 (IL-3) Multiple
 Gaps
 ö
 Score 13.2; DB 9; Length 45; Pred. No. 1.1e+03; O; Mismatches 3; Indels
 ADDRESSEE: S. Christopher Bauer, Pharmacia Corp
Corporate Patent Dept. Mail Zone 04E
STREET: 800 N. Lindbergh Blvd.
 COMPUTER: IBM PC compatible
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
PILING DATE: 03-APP-2002
CLASSIFICATION: <unknown>
 Thomas, John W. TITLE OF INVENTION: Methods of Ex-vivo Expansion of
 Hematopoietic Cells U
Mutation Polypeptides
 PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/764,114
FILING DATE: 09-DC-1996
APPLICATION NUMBER: US 07/981,044
FILING DATE: 24-NOV-1992
APPLICATION NUMBER: PCT/US93/11197
FILING DATE: 22-NOV-1993
APPLICATION NUMBER: 08/411,795
FILING DATE: 04-JUN-1995
 Bauer, S. C.
Braford-Goldberg, Sarah R.
Caparon, Maire H.
Easton, Alan M.
Klein, Barbara K.
McKearn, John P.
Olins, Peter O.
Paik, Kumnan
 NAME: S. Christopher Bauer
REGISTRATION NUMBER: 42,305
REFERENCE/DOCKET NUMBER: C2713/12
TELECOMMUNICATION INFORMATION:
 TOPOLOGY: linear MOLECULE TYPE: DNA (synthetic) SQUENCE DESCRIPTION: SEQ ID NO: 235: US-10-090-182A-235
 235, Application US/10090182A ion No. US20030103936A1
 ZIP: 63167
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
 TELEPHONE: (636)737-6257
TELEFAX: (736)737-6257
 ATTORNEY/AGENT INFORMATION:
 APPLICANT: Abrams, Mark A.
 1 GCTCTAGAATGAACGGTG 18
 INFORMATION FOR SEQ ID NO: 235 SEQUENCE CHARACTERISTICS:
 TYPE: nucleic acid
STRANDEDNESS: single
 69.5%;
 NUMBER OF SEQUENCES: 415
CORRESPONDENCE ADDRESS:
 Query Match 69.5
Best Local Similarity 83.3
Matches 15; Conservative
 CITY: St. Louis
STATE: Missouri
COUNTRY: USA
 GENERAL INFORMATION
US-10-090-182A-235/c
 lication No.
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US-10-098-263B-118949/c ; Sequence 118949, Application US/10098263B ; Publication No. US20030104410A1

RESULT 12

GENERAL INFORMATION

; Sequence 409, Application US/10090182A

RESULT 11 US-10-090-182A-409/c

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RESULT 15
US-10-215-112-12846
 SEQ ID NO 12114
 TYPE: DNA
 FEATURE:
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 Sequence 3, Application US/09844006A
Patent No. US20020083496A1
GENERAL INPORMATION:
APPLICANT: Watt, Sarah
APPLICANT: TSOU, Pei-Lan
APPLICANT: Robertson, Dominique
APPLICANT: Robertson, Transgenic Plants With INCREASES IN CALCIUM STORES
FILE REFERENCE: 5051.503
 .
0
 .
0
APPLICANT: Mittman, Michael
TITLE OF INVENTION: Human Microarray
FILE REFERENCE: 3118.1
CURRENT APPLICATION NUMBER: US/10/098,263B
CURRENT FILING DATE: 2003-01-08
PRIOR APPLICATION NUMBER: 60/276,759
PRIOR PILING DATE: 2001-03-16
NUMBER OF SEQ ID NOS: 131066
SOFTWARE: Microarray Probe Sequence Listing Generator V 1.1
LENGTH: 25
 Length 28;
 Length 25;
 0; Indels
 0; Indels
 GENERAL INFORMATION:
APPLICANT: Michael Mittmann
TITLE OF INVENTION: Method of Genetic Analysis of Probes:
TITLE OF INVENTION: TEST3
FILE REFERENCE: 3119
CURRENT APPLICATION NUMBER: US/10/215,112
CURRENT FILING DATE: 2002-08-08
NUMBER OF SEQ ID NOS: 14936
SOFTWARE: FastSEQ for Windows Version 4.0
 DB 9; Le
1.3e+03;
 Query Match

68.4%; Score 13; DB 10; L

Best Local Similarity 100.0%; Pred. No. 1.3e+03;

Matches 13; Conservative 0; Mismatches 0;
 FEATURE:
NAME/KEY: misc_feature
LOCATION: (1)...(28)
OTHER INFORMATION: Synthetic Oligonucleotide
 Mismatches
 CURRENT APPLICATION NUMBER: US/09/844,006A
CURRENT FILING DATE: 2001-04-30
 Score 13;
Pred. No.
 PRIOR APPLICATION NUMBER: 60/200, 233
PRIOR APPLICATION NUMBER: 60/200, 233
PRIOR FILING DATE: 2000-04-28
NUMBER OF SEQ ID NOS: 8
SOFTWARE: Patentin version 3.0
SEQ ID NO 3
LENGTH: 28
 US-10-215-112-1214/c
; Sequence 12114, Application US/10215112
; Publication No. US20030082596A1
 Query Match
Best Local Similarity 100.0%; P. Matches 13; Conservative 0;
 ORGANISM: Artificial Sequence
 3 TCTAGAATGAACG 15
 1 GCTCTAGAATGAA 13
 1 GCTCTAGAATGAA 13
 20 TCTAGAATGAACG 8
 ; ORGANISM: Homo sapien
US-10-098-263B-118949
 RESULT 13
US-09-844-006A-3
 US-09-844-006A-3
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 Gaps
 Gaps
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 Query Match 67.4%; Score 12.8; DB 9; Length 25; Best Local Similarity 87.5%; Pred. No. 1.7e+03; Matches 14; Conservative 0; Mismatches 2; Indels
 Length 25;
 Indels
 APPLICANT: Wichel Mittmann
TITLE OF INVENTION: Method of Genetic Analysis of Probes:
TITLE OF INVENTION: Test3
FILE REFERENCE: 3119
CURRENT APPLICATION NUMBER: US/10/215,112
CURRENT FILING DATE: 2002-08-08
NUMBER OF SEQ ID NOS: 14936
SEQ ID NOS: 14936
SEQ ID NO 12846
LENGTH: 25
 Query Match 67.4%; Score 12.8; DB 9; Best Local Similarity 87.5%; Pred. No. 1.7e+03; Matches 14; Conservative 0; Mismatches 2;
 ; FEATURE:
; OTHER INFORMATION: Synthetic Oligonucleotide
US-10-215-112-12114
) OTHER INFORMATION: Synthetic Oligonucleotide US-10-215-112-12846
 ; Sequence 12846, Application US/10215112; Publication No. US20030082596A1; GENERAL INFORMATION:
 Search completed: June 25, 2003, 22:25:07 Job time : 58,757 secs
TYPE: DNA
ORGANISM: Artificial Sequence
 1 GCTCTAGAATGAACGG 16
 4 CTAGAATGAACGGTGG 19
 5 crccaardaccedres 20
 ORGANISM: Artificial Sequence
 21 Gereradaacegaeeg
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9, Appli 3, Appli Appl

Sequence Sequence Sequence Sequence

Sequence Sequence Sequence Sequence

Sequence Sequence Sequence

Sequence Sequence Sequence Sequence Sequence Sequence

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APPLICANT: Pruzan, Romald
APPLICANT: Weinrich, Scott L.
TITLE OF INVENTION: Methods for Detecting the RNA Component of
TITLE OF INVENTION: Telomerase
NUMBER OF SEQUENCES: 26
CORRESPONDENCE S.
ADDRESSEE: ADDRESSE: ADDRESSE: ADDRESSEE: TWO EMBARD and TOWNSEND and CREW LLP
STREET: Two Embarcadero Center, 8th Floor
 100.0%; Score 19; DB 2; Length 19; 100.0%; Pred. No. 0.13; cive 0; Mismatches 0; Indels
 COUNTRY: USA
ZIP: 94111-3834
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OOFERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/770,565
FILING DATE: 20-DBC-1996
CLASSIFICATION: 435
ATTORNEY/AGENT INFORMATION:
NAME: SLOCKET NUMBER: 32,944
REFERENCE/DOCKET NUMBER: 015389-002300US
FELECOMMUNICATION INFORMATION:
TELECOMMUNICATION INFORMATION:
TELECOMUNICATION INFORMATION:
TELECOMMUNICATION INFORMATION:
TELECOMMUNICATION INFORMATION I
US-08-480-604A-16
US-08-405-496A-16
 ALIGNMENTS
 Sequence 9, Application US/08770565
Patent No. 5846731
GENERAL INFORMATION:
APPLICANT: Kim, Nam Woo
APPLICANT: Ww. Fred
APPLICANT: Ww. Fred
APPLICANT: Pruzan, Names T.
 GCTCTAGAATGAACGGTGG 19
 Query Match 100.
Best Local Similarity 100.
Matches 19; Conservative
 STRANDEDNESS: single
 CITY: San Francisco
STATE: California
 linear
 MOLECULE TYPE: DNA
US-08-770-565-9
 US-08-770-565-9
 00000000
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 98, App
3, Appl
5, Appl
Appli
 Appl
Appl
Appli
Appli
 June 24, 2003, 22:17:30 ; Search time 28.8406 Seconds (without alignments) 202.036 Million cell updates/sec
 Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.
 Sequence 9,
 Sequence 23
 Sequence 26
 Sequence 19
Sequence 24
 Description
 Sequence Sequence
 Sequence
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Sequence
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/cgn2_6/ptodata/2/ina/Packfiles1.seq:*
 5.1.6
Compugen Ltd.
 US-08-770-565-9
US-08-330-123A-23
US-08-482-115B-23
US-08-660-678A-23
US-08-710-249-26
US-08-747-805-29
US-08-520-550A-19
US-08-5445-23
US-08-944-543-23
US-08-974-549A-598
US-08-770-565-26
US-08-770-756-24
 US-08-411-795B-255
US-08-469-319A-255
US-08-764-114-255
 Total number of hits satisfying chosen parameters:
 PCT-US96-05291A-2
 441362 segs, 153338381 residues
 SUMMARIES
 GenCore version
Copyright (c) 1993 - 2003
 Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries
 nucleic search, using sw model
 GCTCTAGAATGAACGGTGG 19
 IDENTITY_NUC Gapop 10.0 , Gapext 1.0
 US-08-770-564A-9
 Query
Match Length
 seq length: 0
seq length: 50
 100.
 Scoring table:
 13.8
13.2
13.2
 Title:
Perfect score:
 Score
 16.4
15.8
15.8
15.4
 88
 OM nucleic
 Sequence:
 Searched:
 Minimum I
Maximum I
 Run on:
 Result
No.
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Gaps

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DB 1; Length 26;
 0; Indels
 COUNTRY: USA

ZIP: 9411-3834

COMPUTER READBLE FORM:
MEDIUM TYPE: FILIPOPY disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentl N Release #1.0, Version #1.30

CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/660,678A
FILING DATE: 05-JUN-1996
CLASSIFICATION: 435
PRIOR APPLICATION DATA:
 COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: ISM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
 ADDRESSEE: Townsend and Townsend and Crew LLP STREET: Two Embarcadero Center, Eighth Floor STATE: California
Two Embarcadero Center, Eighth Floor
 PELENG DATE: 07-070-15B

FILING DATE: 07-070-1955

CLASSIFICATION 1435

PRIOR APPLICATION 1435

PRIOR APPLICATION 1435

PRIOR APPLICATION DATE: 08-07-194

FILING DATE: 07-070-1994

APPLICATION NUMBER: US 08/330,123

FILING DATE: 27-077-1994

ATTORNEY AGENT INFORMATION: NAME: STORELLA, JOHN R. REGISTRATION NUMBER: 32,944

RELEPHONE: (415) 576-0300

TELECOMMUNICATION INFORMATION: TELEPHONE: (415) 576-0300

INFORMATION FOR SEQ ID NO: 23: SEQUENCE CHARACTERISTICS: CHA
 Mismatches
 GENERAL INFORMATION:
APPLICANT: Villeponteau, Bryant
APPLICANT: Feng, Junil
APPLICANT: Funk, Walter
APPLICANT: Andrews, William H.
TITLE OF INVENTION: Mammalian Telomerase
CORRESPONDENCES ADDRESS:
 Score 19;
Pred. No.
 Sequence 23, Application US/08660678A Patent No. 5837857
 1 GCTCTAGAATGAACGGTGG 19
 5 gereragaárgaacgereg 23
 100.0%;
 Query Match
Best Local Similarity 100.0
Matches 19; Conservative
 San Francisco
California
 TYPE: nucleic acid
STRANDEDNESS: sing
 linear
 TOPOLOGY: 11 MOLECULE TYPE:
 US-08-482-115B-23
 RESULT 4
US-08-660-678A-23
 COUNTRY:
 CITY:
STATE:
 ; Sequence 23,
 ઠ
 셤
 APPLICANT: Vileponteau, Bryant
APPLICANT: Feng, Junii
APPLICANT: Feng, Junii
APPLICANT: Andrews, William H.
TITLE OF INVENTION: Telomerase
NUMBER OF SEQUENCES: 40
CORRESPONDENCE ADMESS: ADMESSEE: Townsend and Townsend and Crew Lip
 Query Match 100.0%; Score 19; DB 1; Length 26; Best Local Similarity 100.0%; Pred. No. 0.14; Matches 19; Conservative 0; Mismatches 0; Indels
 APPLICANT: VILLEPONTEAU, Bryant
APPLICANT: VILLEPONTEAU, Bryant
APPLICANT: FENG, Junii
APPLICANT: FUNK, Walter
APPLICANT: FUNK, Walter
APPLICANT: FUNK, William H.
TITLE OF INVENTION: HUMAN TELOMERASE
NUMBER OF SEQUENCES: 25
CORRESPONDENCE ADDRESS: ADDRESS: ADDRESSE: Townsend and Townsend Khourie and Crew
STREET: 379 Lytton Avenue
CITY: Palo Alto
STATE: California
 COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM FC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.25
APPLICATION NUMBER: US/08/330,123A
FILING DATE: 27-OCT-1994
CLASSIFICATION: 435
 Townsend and Townsend and Crew LLP
 PRIOR APPLICATION DATA:
APPLICATION DATA:
APPLICATION NUMBER: US 08/272,102
FILING DATE: 07-JUL-1994
ATTORNEY/AGENT INFORMATION:
NAME: Smith, William M
REGISTRATION NUMBER: 30,23
REFERENCE/DOCKET NUMBER: 15389-000810
TELECOMMUNICATION INFORMATION:
 Sequence 23, Application US/08330123A Patent No. 5583016 GENERAL INFORMATION:
 Sequence 23, Application US/08482115B Patent No. 5776679
 1 GCTCTAGAATGAACGGTGG 19
 5 ccrcracharchaccerce 23
 (415) 326-2400
 TELEFAX: (415) 326-2422
INFORMATION FOR SEQ ID NO: 23
SEQUENCE CHARACTERISTICS:
LENGTH: 26 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
 MOLECULE TYPE: DNA
 GENERAL INFORMATION:
 TELEPHONE:
 ZIP: 94301
 US-08-330-123A-23
 US-08-330-123A-23
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 100.0%; Score 19; DB 2; Length 26; 100.0%; Pred. No. 0.14; tive 0; Mismatches 0; Indels
 Query Match 100.0%; Score 19; DB 2; Length 26; Best Local Similarity 100.0%; Pred. No. 0.14; Matches 0; Indels Matches 0; Indels
 ADDRESSEE: Hamilton, Brook, Smith & Reynolds, P.C.
 GENERAL INCOMMATION:
GENERAL INCOMMATION:
APPLICANT: Andrews, William H.
APPLICANT: Avilion, Ariel Athena
APPLICANT: Feng, Junli
APPLICANT: Funk, Walter
APPLICANT: Greider, Carol
APPLICANT: Marhuenda, Maria Antonia Blasco
APPLICANT: Willeponteau, Bryant
TILLE OF INVENTION:
TILLE OF INVENTION:
APPLICANT: ANA COMPONENT OF TELOMERASE
 US-08-485-778-19
; Sequence 19, Application US/08485778
; Patent No. 5876979
 NAME: Granhan, Patricia
REGISTRATION NUMBER: 32,227
REFERENCE/DOCKET NUMBER: CSHL:
TELECOMMUNICATION INFORMATION:
TELEPHONE: 617-861-6240
INFORMATION FOR SEQ ID NO: 19:
SEQUENCE CHARACTERISTICS:
 1 GCTCTAGAATGAACGGTGG 19
 5 GCTCTAGAATGAACGGTGG 23
 Two Militia Drive
 Conservative
 26 base pairs
 TYPE: nucleic acid
STRANDEDNESS: single
 NUMBER OF SEQUENCES: 4:
CORRESPONDENCE ADDRESS:
 COUNTRY: US
ZIP: 02173
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy
 MOLECULE TYPE: DNA US-08-710-249-26
 linear
 Query Match
Best Local Similarity
Matches 19; Conserv
 Lexington
 STRANDEDNESS
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TOPOLOGY:
US-08-485-778-19
 TOPOLOGY:
 STREET:
 STATE:
 셤
 ð
 Sequence 26, Application US/08710249

Patent No. 585877

GENERAL INFORMATION:

APPLICANT: Villeponteau, Bryant
APPLICANT: Reng, Juni;

APPLICANT: Andrews, William H.

APPLICANT: Andrews, William H.

APPLICANT: Andrews, William H.

APPLICANT: Andrews, William H.

APPLICANT: Andrews, Wethods and Reagents for Regulating
TITLE OF INVENTION: Telomere Length and Telomerase Activity
NUMBER OF SEQUENCES: 26

CORRESPONDENCE ADDRESS:

ADDRESSEE: Townsend and Townsend and Crew LLP
 ö
 100.0%; Score 19; DB 2; Length 26; Conservative 0; Mismatchan
 SOFTWARE: PatentIn Release #1.0, Version #1.30
 ADDRESSEE: Townsend and Townsend and Crew LLP STREET: Two Embarcadero Center, Eighth Floor CITY: San Francisco STATE: California COUNTRY: USA ZIP: 9411-3884
 SOFTWAKE: PETCENTIN Release #1.0, VerBlon #1.

CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/710,249
FILING DATE: 13-SEP-1996
CLASSIFICATION 536
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/583,808
FILING DATE: 05-UAN-1996
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 60/003,492
FILING DATE: 08-SEP-1955
ATTOKNEY/AGENT INCRMATION:
NAME: Storella, John R.
REGISTRATION NUMBER: 015389-001220US
TELECOMMUNICATION INFORMATION:
TELECOMMUNICATION SOFTON:
SEQUENCE CHARACTERISTICS:
APPLICATION NUMBER: US 08/330,123
FILING DATE: 27-6CT-1994
PRIOR APPLICATION DATA: 08/272,102
APPLICATION NUMBER: US 08/272,102
FILING DATE: 07-ULL-1994
ATTORNEY/AGENT INFORMATION:
NAME: Storella, John R.
REGISTRATION NUMBER: 32,944
REFERENCE/DOCKET NUMBER: 015389-000811US
TELEPAN: (415) 576-0200
TELEPAN: (415) 576-0300
INFORMATION FOR SEQ ID NO: 23:
SEQUENCE CHARACTERISTICS:
LENGTH: 26 base pairs
TYPE: nucleic acid
STRANDENNES: single
 COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
 1 GCTCTAGAATGAACGGTGG 19
 MOLECULE TYPE: DNA
US-08-660-678A-23
 Query Match
Best Local Similarity
Matches 19; Conserv
 TOPOLOGY:
 JS-08-710-249-26
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Gaps

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Score 19; DB 3; Length 26;
Pred. No. 0.14;
 Indels
 APPLICANT: Villeponteau, Bryant
TITLE OF INVENTION: RNA Component of Telomerase
NUMBER OF SEQUENCES: 47
CORRESPONDENCE ADDRESS:
ADDRESSEE: Hamilton, Brook, Smith & Reynolds, P.C.
STREET: Two Militia Drive
CITY: Lexington
 CUUNTEY: WA

COUNTEY: WA

COMPUTER READELE FORM:

MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC Compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/520,550A
FILING DATE: 29-AUG-1995
CLASSIFICATION NUMBER: US/08/520,550A
FILING DATE: 13-FEB-1995
PRIOR APPLICATION NUMBER: US 08/387,524
FILING DATE: 13-FEB-1995
PRIOR APPLICATION NUMBER: US 08/330,123
FILING DATE: 27-OCT-1994
PRIOR APPLICATION NUMBER: US 08/330,123
FILING DATE: 07-OCT-1994
PRIOR APPLICATION NUMBER: US 08/310,123
FILING DATE: 07-OCT-1994
PRIOR APPLICATION NUMBER: US 08/312,102
FILING DATE: 07-UUL-1994
ATTONEX/AGENT: INFORMATION:
WANNE: ADDATA: DATE: DAT
 CORRESPONDENCE ADDRESS:
ADDRESSEE: Townsend and Townsend and Crew LLP
STREET: Two Embarcadero Center, Eighth Floor
CITY: San Francisco
STATE: California
 Sequence 23, Application US/08998443
Patent No. 6054575
GENERAL INFORMATION:
APPLICANT: Feng, Juni
APPLICANT: Feng, Juni
APPLICANT: Funk, Walter
APPLICANT: Andrews, William H.
TITLE OF INVENTION: Mammalian Telomerase
NUMBER OF SEQUENCES: 30
 NAME: Granahan, Patricia
REGISTRATION NUMBER: 32,227
REFERENCE/DOCKET NUMBER: CSHL94-05A3B
TELECOMUNICATION INFORMATION:
TELEPHONE: 617-861-6240
Marhuenda, Maria A. B.
 1 GCTCTAGAATGAACGGTGG 19
 5 GCTCTAGAATGAACGGTGG 23
 Query Match
Best Local Similarity 100.0%; P
Matches 19; Conservative 0;
 COUNTRY: USA
ZIP: 94111-3834
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
 TELEFAX: 617-891.

INFORMATION FOR SEQ ID NO: 1

SEQUENCE CHARACTERISTICS:

LENGTH: 26 base pairs

TYPE: nucleic acid

STRANDEDNESS: single
 US-08-520-550A-19
 RESULT 9
US-08-998-443-23
APPLICANT:
 CITY: 1
STATE:
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 Score 19; DB 2; Length 26;
Pred. No. 0.14;
 Indels
 ZIP: 94111-3834
ZIP: 94111-3834
COMPUTER: READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATURG SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/472,802C
FILING DATE: 07-JUN-1995
CLASSIFICATION NUMBER: US 08/272,102
FILING DATE: 07-JUL-1994
PRIOR APPLICATION DATA:
PPLICATION NUMBER: US 08/330,123
FILING DATE: 07-JUL-1994
ATTORNEY/AGENT INFORMATION:
PRILING DATE: 37-OCT-1994
ATTORNEY/AGENT INFORMATION:
REGISTRATION NUMBER: 30,223
REGIS
 ADDRESSEE: Townsend and Townsend and Crew LLP STREET: Two Embarcadero Center, Eighth Floor CITY: San Francisco CTTY: San Francisco COUNTRY: USA
 Query Match 100.0%; Score 19; DB Best Local Similarity 100.0%; Pred. No. 0.1 Matches 19; Conservative 0; Mismatches
 APPLICANT: Villeponteau, Bryant
APPLICANT: Feng, Junli
APPLICANT: Andrews, William H.
TITLE OF INVENTION: Mammalian Telomerase
NUMBER OF SEQUENCES: 44
CORRESPONDENCE ADDRESS:
 Sequence 24, Application US/08472802C
Patent No. 5958680
GENERAL INFORMATION:
 Application US/08520550A
 dereradardaakedered 23
 Greider, Caro
 INFORMATION:
 -08-520-550A-19
 US-08-472-802C-24
 US-08-472-802C-24
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Gaps

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Query Match
Best Local Similarity 100.0%; Pred. No. 0.14;
Matches 19; Conservative 0; Mismatches 0; Indels
 APPLICANT: Villeponteau, Bryant
APPLICANT: Villeponteau, Bryant
APPLICANT: Freng, Junii
APPLICANT: Freng, Junii
APPLICANT: Andrews, William H.
TITLE OF INVENTION: Mammalian Telomerase
NUMBER OF SEQUENCES: 25
CORRESPONDENCE ADDRESS:
ADDRESSE: Townsend and Townsend and Crew LLP
STREET: Two Embarcadero Center, Eighth Floor
CITY: San Francisco
STATE: California
COUNTRY: USA
 PRIOR APPLICATION DATA:

PRIOR APPLICATION DATA:

APPLICATION NUMBER: US 08/846,017

FILING DATE: 25-APR-1997

PRIOR APPLICATION DATA:

APPLICATION NUMBER: US 08/851,843

FILING DATE: 06-MAY-1997

PRIOR APPLICATION NUMBER: US 08/854,050

FILING DATE: 09-MAY-1997

PRIOR APPLICATION NUMBER: US 08/911,312

FILING DATE: 14-AUG-1997

PRIOR APPLICATION NUMBER: US 08/912,951

PRIOR APPLICATION NUMBER: US 08/915,503

FILING DATE: 14-AUG-1997

PRIOR APPLICATION NUMBER: WO PCT/US97/17618

FILING DATE: 01-OCT-1997

PRIOR APPLICATION DATA:

APPLICATION NUMBER: WO PCT/US97/17618

FILING DATE: 01-OCT-1997

PRIOR APPLICATION DATA:

APPLICATION NUMBER: WO PCT/US97/17618

FILING DATE: 01-OCT-1997

PRIOR APPLICATION DATA:

APPLICATION NUMBER: WO PCT/US97/17618

FILING DATE: 01-OCT-1997

ATTORNEY/AGENT INFORMATION:

NAME: APPLICATION DATA:

APPLICATION NUMBER: WO PCT/US97/17618

FILING DATE: 01-OCT-1997

ATTORNEY/AGENT INFORMATION:

NAME: APPLICATION NUMBER: WO PCT/US97/17618
 NAME: Apple, Randolph Ted
REGISTRATION NUMBER: 36,429
REFERENCE/DOCKET NUMBER: 015389-002610US
 ; NAME/KEY: -
; LCCATION: 1..26
; OTHER INFORMATION: /note= "R3c primer"
US-08-974-549A-598
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/844,419
FILING DATE: 18-APR-1997
 Sequence 23, Application US/09060523
Patent No. 6258535
GENERAL INFORMATION:
 1 GCTCTAGAATGAACGGTGG 19
 TELECOMMUNICATION INFORMATION
 TELEPHONE: (415) 576-0200
TELEFAX: (415) 576-0300
INFORMATION FOR SEQ ID NO: 596
SEQUENCE CHARACTERISTICS:
 LENGTH: 26 base pairs
 TYPE: nucleic acid
STRANDEDNESS: single
 TOPOLOGY: linear MOLECULE TYPE: DNA
 US-09-060-523-23
 ઠે
 엄
 ö
 Score 19; DB 3; Length 26; Pred. No. 0.14;
 APPLICANT: Cech, Thomas R.
APPLICANT: Lingner, Joachim
APPLICANT: Lingner, Joachim
APPLICANT: Nakamura, Toru
APPLICANT: Chapman, Karen B.
APPLICANT: Morin, Gregg B.
APPLICANT: Harley, Calvin B.
APPLICANT: Harley, Calvin B.
APPLICANT: Hintews, William H.
APPLICANT: Human Telomerase Catalytic Subunit
CORRESPONDENCES: 727
CORRESPONDENCE ADDRESS:
 ZIP: 94111-3834

COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.30
 PatentIn Release #1.0, Version #1.30
 ADDRESSEE: Townsend and Townsend and Crew LLP STREET: Two Embarcadero Center, Eighth Floor CITY: San Prancisco STATE: California
 CLASSIPTCATION:
PRIOR APPLICATION DATA:
APPLICATION UNDRER:
TILING DATE: 05-UNN-1996
APPLICATION NUMBER: US 08/330,123
FILING DATE: 27-OCT-1994
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/272,102
FILING DATE: 07-UL1-1994
ATTORNEY/AGENT INFORMATION:
NAME: Storella, John R.
REGISTRATION NUMBER: 32,944
REG
 APPLICATION NUMBER: US/08/974,549A
FILING DATE: 19-NOV-1997
CLASSIFICATION: 536
 CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/998,443
 PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/724,643
FILING DATE: 01-OCT-1996
 Sequence 598, Application US/08974549A Patent No. 6166178 GENERAL INFORMATION: APPLICANT: Cech, Thomas R.
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
 Query Match
Best Local Similarity 100.0%; By
Matches 19; Conservative 0;
 TYPE: nucleic acid
STRANDEDNESS: single
 MOLECULE TYPE: DNA
 USA
 -08-974-549A-598
 SOFTWARE:
 US-08-998-443-23
 COUNTRY:
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Gaps

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Gaps
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0
 100.0%; Score 19; DB 4; Length 26; 100.0%; Pred. No. 0.14;
 DB 4; Length 26;
 Indels
 0; Indels
 APPLICANT: Ochns Hopkins University.
APPLICANT: Greider, Carol W.
APPLICANT: Le, Siyuan
TILE OF INVENTION: TELOMERASE-ASSOCIATED PROTEINS
FILE REPERENCE: 07265/15701
CURRENT APPLICATION NUMBER: US/09/286,959B
CURRENT FILING DATE: 1999-04-06
PRIOR APPLICATION NUMBER: 60/080,783
PRIOR FILING DATE: 1998-04-06
NUMBER OF SEQ ID NOS: 24
SOFTWARE: FASTSEQ for Windows Version 4.0
SEQ ID NO 4
LENGTH: 26
FILING DATE: 13-SEP-1996
APPLICATION NUMBER: US 08/583,808
FILING DATE: 05-JAM-1996
PRICATION NUMBER: US 60/003,492
FILING DATE: 06-SEP-1995
ATORNEY/AGENT INFORMATION:
NAME: Storella, John R.
REGISTRATION NUMBER: 015389-001220US
TELEPACHOWE: (415) 576-0200
TELEPACHOWE: (415) 576-0300
INFORMATION FOR SEQ ID NO: 26:
SEQUENCE CHARACTERISTICS:
 Score 19; DB 4;
Pred. No. 0.14;
 Mismatches
 Mismatches
 Sequence 23, Application US/09580517
Setent No. 6320039
GENERAL INFORMATION:
APPLICANT: VILLEPONTEAU, Bryant
 Sequence 4, Application US/09286959B Patent No. 6300131
 5 GCTCTAGAATGAACGGTGG 23
 .
 GCTCTAGAATGAACGGTGG 19
 ecrcradaardaaceeree 23
 100.0%;
100.0%;
 100.08;
 TYPE: DNA
ORGANISM: Artificial Sequence
 FENG, Junli
FUNK, Walter
 Query Match
Best Local Similarity 100.(
Matches 19; Conservative
 Best Local Similarity 100.
Matches 19; Conservative
 LENGTH: 26 base pairs
TYPE: nucleic acid
 ; FEATURE:
; OTHER INFORMATION: Primer
US-09-286-959B-4
 GENERAL INFORMATION:
 TOPOLOGY: 1ii
 STRANDEDNESS:
 US-09-220-157A-26
 US-09-286-959B-4
 Query Match
 엄
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 δ
 엄
 ö
 APPLICANT: VilleDonteau, Bryant
APPLICANT: Feng, Junii
APPLICANT: Feng, Junii
APPLICANT: Andrews, William H.
APPLICANT: Adams, Robert R.
TITLE OF INVENTION: Methods and Reagents for Regulating
TITLE OF INVENTION: Telomere Length and Telomerase Activity
NUMBER OF SEQUENCES: 26
CORRESPONDENCE ADDRESS:
ADDRESSEE: Townsend and Townsend and Crew LLP
 100.0%; Score 19; DB 4; Length 26; 100.0%; Pred. No. 0.14;
 0; Indels
 Patentin Release #1.0, Version #1.30
 SOFTWARE:
SOFTWARE:
Patentin Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION DATA:
APPLICATION DATA:
FILING DATE: 14-APR-1998
CLASSIFICATION DATA:
APPLICATION NUMBER: US 08/272,102
FILING DATE: 07-071-1994
ATTORNEY/AGENT INFORMATION:
APPLICATION NUMBER: 32,944
REFERENCE/DOCKET NUMBER: 31,944
REFERENCE/DOCKET NUMBER: 31,944
REFERENCE/DOCKET NUMBER: 32,944
REFERENCE/DOCKET NUMBER: 31,944
REFERENCE/DOCKET NUMBER: 32,944
REFERENCE/DOCKET NUMBER: 32,9
 Patentin Release #1.0, Version #1.30
 STREET: Two Embarcadero Center, Eighth Floor
CITY: San Francisco
STATE: California
 0; Mismatches
 CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/220,157A
 COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
CMBUTER: IBM PC. compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
 MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
 Sequence 26, Application US_09220157A Patent No. 6300110 GENERAL INFORMATION:
 1 GCTCTAGAATGAACGGTGG 19
 Query Match
Best Local Similarity 100.
Matches 19; Conservative
 TYPE: nucleic acid
STRANDEDNESS: single
 COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy
 CLASSIFICATION:
PRIOR APPLICATION DATA:
 MOLECULE TYPE: DNA
 ZIP: 94111-3834
 USA
 FILING DATE
 STATE: CA
 US-09-060-523-23
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Search completed: June 25, 2003, 00:24:39 Job time: 28.8406 secs
 1 GCTCTAGAATGAACGGTGG 19
 Best Local Similarity 100.
Matches 19; Conservative
 LENGTH: 27 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
 linear
 TOPOLOGY: 111
 US-08-770-565-26
 Query Match
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 ö
 Gaps
 APPLICANT: Kim, Nam Woo
APPLICANT: Win, Fred
APPLICANT: Wu, Fred
APPLICANT: Realey, James T.
APPLICANT: Realey, James T.
APPLICANT: Weinrich, Scott L.
APPLICANT: Weinrich, Scott L.
APPLICANT: Weinrich Enderage
APPLICANT: Weinrich: Telomerase
NUMBER OF INVENTION: Telomerase
NUMBER OF SEQUENCES: 26
CORRESPONDENCE ADDRESS: ADDRESSE: TOWNSEND and TOWNSEND and CREW LLP
STREET: Two Embarcadero Center, 8th Floor
 ö
 COMPUTER READABLE FORM:

MEDIUM TYPE: Floppy disk

MEDIUM TYPE: Floppy disk

COMPUTER: IBM PC compatible

OPERATING SYSTEM: PC-DOS/MS-DOS

SOFTWARE: Patentin Release #1.0, Version #1.25

CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/09/580,517

FILING DATE: 25-MAY-2000

CLASSIFICATION: UNKNOWN>

PRIOR APPLICATION DATA:
 NUMBER OF SEQUENCES: 25
CORRESPONDENCE ADDRESS:
ADDRESSE: Townsend and Townsend Khourie and Crew
STREET: 379 Lytton Avenue
 Query Match

100.0%; Score 19; DB 4; Length 26;
Best Local Similarity 100.0%; Pred. No. 0.14;
Matches 19; Conservative 0; Mismatches 0; Indels
 PatentIn Release #1.0, Version #1.30
 ATTORNEY AGENT INFORMATION:
NAME: Smith, William M
REGISTRATION NUMBER: 30,223
REFERENCE/DOCKET NUMBER: 15389-000810
TELECOMMUNICATION INFORMATION:
ANDREWS, William H.
VENTION: HUMAN TELOMERASE
 ; TOPOLOGY: linear; MOLECULE TYPE: DNA SEQUENCE DESCRIPTION: SEQ ID NO: 23: US-09-580-517-23
 APPLICATION NUMBER: 08/330,123
FILING DATE: <Unknown>
 TELEPHONE: (415) 326-2400
 Sequence 26, Application US/08770565
Patent No. 5846723
GENERAL INFORMATION:
 STREET: Two Embarcadero Center CITY: San Francisco STATE: California COUNTRY: USA 21P: 94111-3834 COMPUTER READABLE FORM: MEDIUM TYPE: Floppy disk COMPUTER: IBM PC Compatible COMPUTER: IBM PC Compatible COMPUTER: IBM PC Compatible COMPUTER: IBM PC Compatible COMPUTER: Patentin Release #11
 (415) 326-2422
 SEQUENCE CHARACTERISTICS:
LENGTH: 26 base pairs
 TELEFAX: (415) 326-2 INFORMATION FOR SEQ ID NO: 23:
 CITY: Palo Alto
STATE: California
COUNTRY: US
 TITLE OF INVENTION
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 셤
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ö
 100.0%; Score 19; DB 2; Length 27; 100.0%; Pred. No. 0.14;
 0; Indels
 CLASSIFICATION: 435
ATTORNEY/AGENT INFORMATION:
NAME: Storella, John R.
REGISTRATION NUMBER: 32,944
REFERENCE/DOCKET NUMBER: 015389-002300US
TELECOMMUNICATION INFORMATION:
TELEFAHONE: 415-576-0300
INFORMATION FOR SEQ ID NO: 26:
SEQUENCE CHARACTERISTICS:
 0; Mismatches
OMBER: US/08/770,565
20-DEC-1996
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BG339578 602437433
BG340055 602437433
BG340055 602437433
BG340055 602438218
AL476917 T. brucel
BH379241 G01587895
AZ78540 ZM0268102
AZ775318 ZM0007B12
BH8653102 G02581189
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BH8653102 G02581189
AZ775318 ZM0007B12
BH863753 SALK 0944
BH863753 SALK 0942
BH63753 SALK 0942
BH63753 SALK 0943
AZ45311 T. brucel
AZ464483 T. brucel
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AZ831830 ZM011314
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Dunn, D., Aoyagi, A., Barber, M., Beacorn, T., Duval, B., Hamil, C., Islam, H., Longacre, S., Mahmoud, M., Menen, E., Pedersen, T., Rose, M., Rose, M., Rose, R., Stokes, R., Tingey, A., von Niederhausern, A. and Wright, D., Weise, R.
Mouse whole genome scaffolding with paired end reads from 10kb Unpublished (2000)
 Contact: Robert B. Weiss
University of Utah Genome Center
University of Utah
Rm. 308, Biomedical Polymers Research Bldg., 20 S. 2030 E., SLC,
 Email: ddunn@genetics.utah.edu
Insert Length: 10000 Std Error: 0.00
 ALIGNMENTS
AU259636
AZ662500
AI763346
AU254302
BH812447
BH849811
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 AZ812338
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TA114E02P
 TA106A06P
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BG563012
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BF732142
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BH624958
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 AZ831830
AW100845
 AA445326
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 Tel: 801 585 5606
Fax: 801 585 7177
 Mus musculus
 Rm. 308, Bi
84112, USA
 47.4
 VERSION
KEYWORDS
SOURCE
ORGANISM
 DEFINITION
 REFERENCE
AUTHORS
 ACCESSION
 JOURNAL
 RESULT 1
AZ606694
 TITLE
 COMMENT
 AZ606694 1M0428D15
AZ471573 1M0286G13
AL462526 T. brucei
AL487013 T. brucei
AV964763 AV964763
AA681423 vr41E08.8
 June 23, 2003, 04:47:09; Search time 979.598 Seconds (without alignments) 314.123 Million cell updates/sec
 Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.
 Description
 102860
 GenCore version 5.1.6
Copyright (c) 1993 - 2003 Compugen Ltd.
 16154066 segs, 8097743376 residues
 Total number of hits satisfying chosen parameters:
 SUMMARIES
 AZ471573
TA116E03P
TA264G10Q
AV964763
AA681423
 OM nucleic - nucleic search, using sw model
 summaries
 AZ606694
 OLIGO_NUC
Gapop_60.0 , Gapext 60.0
 1 GCTCTAGAATGAACGGTGG 19
 em_gss_other: *
em_gss_pro: *
em_gss_rod: *
 Post-processing: Listing first 45
 17
10
9
 US-08-770-564A-9
19
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em_estin:*
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em_estov:*
em_estpl:*
em_estro:*
em_htc:*
gb_estl:*
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gb_htc: *
gb_est3: *
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 Title:
Perfect score:
Sequence:
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5

Score

Result Š. 22222

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(http://www.jax.org/resources/documents/dnares/). The DNA was hydrodynamically sheared by repeated passage through a no.05 inch orifice at constant velocity. The sheared DNA was blunt end-repaired with T4 DNA polymerase and T4 polymucleotide kinase. Adaptor oligomucleotides were ligated to the blunt ends in high molar excess. The adaptored DNA was purified and size-selected for a 9.5 to 10.5 kb range using preparative agarose gel electrophoresis. Vector DNA was prepared from a derivative of pWMs2 (gil473214 |gb|AR129072.1), a copy-number inducible derivative of plasmid R1. The vector was ligated with adaptors complementary to the insert adaptors and purified. The sheared, adaptored mouse DNA was annealed to adaptored vector DNA, and transformed into chemically-competent E. coli XL10-Gold (Stratagene) cells and selected for ampicillin resistance."
 TA116E03P 28 bp DNA linear GSS 13-DEC-2000
T. brucei sheared genomic DNA clone 116e03, forward sequence,
 nhl@sanger.ac.uk
Constructed at the Institute for Genomic Research (TIGR),
Rockville, MD. Genomic DNA isolated from a cloned population of
Trypanosoma brucei (TREU927/4 GUTat 10.1) was mechanically sheared
 Submitted (10-DEC-2000) Trypanosoma brucei genome sequencing project, Sanger Centre, The Wellcome Trust Genome Campus, Hinxton, Cambridge CB10 1SA, E-mail: barrell@sanger.ac.uk and
 /note="Vector: PWD42nv; Purified genomic DNA from M. musculus C57BL/6J (male) was obtained from the Jackson Laboratory Mouse DNA Resource
 to give a tight size distribution (
4 kb). The v + i method used for the library construction is described in detail in Smith, H. and Venter, J.C. (Making small insert libraries for whole genome shotgun sequencing projects. Genome Sequencing: A Practical Approach, eds. M. Vaudin and B.
 /lab_host="E. Coli strain XL10-Gold, Tl-resistant, F-"
 Trypanosoma.
1 (bases 1 to 28)
Hall,N., Bowman,S., Lennard,N.J., Doggett,J., Atkin,R.,
Chillingworth,C., Ormond,D., Harris,B., El-Sayed,N., Hou,L.,
Mel'ville,S.E., Rajandream,M.A. and Barrell,B.G.
 Eukaryota; Euglenozoa; Kinetoplastida; Trypanosomatidae;
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 100.0%; Prec.
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Seq primer: CGTTGTAAAACGACGGCCAGT
Class: plasmid ends
High quality sequence stop: 19.
Location/Qualifiers
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 strain="C57BL/60
 genomic survey sequence.
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 Trypanosoma brucei
 Trypanosoma brucei
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Matches 10; Conserv
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 DEFINITION
 ORGANISM
 BASE COUNT
ORIGIN
 RESULT 3
TA116E03P
 TITLE
JOURNAL
 ACCESSION
 VERSION
KEYWORDS
SOURCE
 REFERENCE
 AUTHORS
 FEATURES
 COMMENT
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 (http://www.jax.org/resources/documents/dnares/). The DNA was hydrodynamically sheared by repeated passage through a 0.005 inch orifice at constant velocity. The sheared DNA was blunt end-repaired with T4 DNA polymerase and T4 polymucleotide kinase. Adaptor oligonucleotides were ligated to the blunt ends in high molar excess. The adaptored DNA was purified and size-selected for a 9.5 to 10.5 kb range using preparative agarose gal electrophoresis. Vector DNA was prepared from a derivative of pWD42 (gil4732114|gb|AR129072.1), a copy-number inducible derivative of plasmid R1. The vector was ligated with adaptors complementary to the insert adaptors and purified. The sheared, adaptored mouse DNA was annealed to
 Contact: Robert B. Weiss
University of Urah Genome Center
University of Utah
Rm. 308, Biomedical Polymers Research Bldg., 20 S. 2030 E., SLC, UT
 GSS 04-OCT-2000
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 adaptored vector DNA, and transformed into chemically-competent E. coli XL10-Gold (Stratagene) cells and selected for ampicillin resistance."
 Mammalia; Butheria; Rodentia; Sciurognathi; Muridae; Murinae; Mus. I. (bases 1 to 19)

Dunn, D., Aoyagi, A., Barber, M., Beacorn, T., Duval, B., Hamil, C.,
Islam, H., Longacre, S., Mahmoud, M., Meenen, E., Pedersen, T., Reilly,
A., Rose, M., Rose, R., Stokes, R., Tingey, A., von Niederhausern, A.
and Wright, D., Weise, R.
Mouse whole genome scaffolding with paired end reads from 10kb
 AZ471573 19 bp DNA linear GSS 04-OCT-200 1M0286G13F Mouse 10kb plasmid UUGCIM library Mus musculus genomic clone UUGCIM0286G13 F, DNA sequence.
 Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
 /note="Vector: PWD42ny; Purified genomic DNA from M. musculus C57BL/6J (male) was obtained from the Jackson Laboratory Mouse DNA Resource
 lab host="E. Coli strain XL10-Gold, T1-resistant, F-"
 ;
 clone_lib="Mouse 10kb plasmid UUGCIM library" sex="Male"
 57.9%; Score 11; DB 17; Length 48; 100.0%; Pred. No. 1.1e+04; ive 0; Mismatches 0; Indels
 Email: ddunn@genetics.utah.edu
.Insert Length: 10000 Std Error: 0.00
 Seg primer: CACACAGGAAACAGCTATGACC
 .. .48
organism="Mus musculus"
 db_xref="taxon:10090"
clone="UUGC1M0428D15"
 High quality sequence stop: 48.
Location/Qualifiers
 strain="C57BL/6J
 AZ471573.1 GI:10629698
 Class: plasmid ends
 Unpublished (2000)
 11; Conservative
 Tel: 801 585 5606
Fax: 801 585 7177
 9 ATGAACGGTGG 19
 38 Argaacgeres 48
 plasmid inserts
 house mouse.
Mus musculus
 Best Local Similarity
 USA
 AZ471573
 10
 Query Match
 RESULT 2
AZ471573/c
 source
 DEFINITION
 BASE COUNT
ORIGIN
 ORGANISM
 REFERENCE
AUTHORS
 Matches
 VERSION
KEYWORDS
SOURCE
 ACCESSION
 JOURNAL
 FEATURES
 TITLE
 COMMENT
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AV964763 Nori Satoh unpublished cDNA library, young adult Ciona intestinalis cDNA clone ciad15006 5', mRNA sequence.
AV964763
EST.
 AA681423

Vr41E08.81 Knowles Solter mouse 2 cell Mus musculus CDNA clone
IMAGS:1123239 5' similar to gb:L05093 60S RIBOSOMAL PROTEIN L18A
(HTMAN);, mRNA sequence.
AA681423.1 GI:2663563
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Marra,M. Hillier,L., Allen,M., Bowles,M., Dietrich,N., Dubuque,T.,
Geisel,S., Kucaba,T., Lacy,M., Le,M., Martin,J., Morris,M.,
Schellenberg,K., Steptoe,M., Tan,F., Underwood,K., Moore,B.,
Theising,B., Wylie,T., Lennon,G., Soares,B., Wilson,R. and
 Eukaryotan, Metazoa, Chordata, Urochordata, Ascidiacea, Enterogona, Phebobranchia, Cionidae, Ciona.

1 (basea 1 to 34)
Satch, N., Satcu, Y., Kohara, Y. and Shin-i, T.

Expressed genes in Ciona intestinalis
Contact: Nori Satch
Department of Zoology
 Mus musculus
Eukaryota, Metazoa, Chordata, Craniata, Vertebrata, Euteleostomi,
Mammalia, Eutheria, Rodentia, Sciurognathi, Muridae, Murinae, Mus
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/db_xref="taxon:7719"
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/clone_lib="Nori Satch unpublished cDNA library, young
 Gaps
 ö
 Unpublished (1996)
Contact: Marra M/Mouse EST Project
Washington University School of MedicineP
4444 Forest Park Parkway, Box 8501, St. Louis, MO 63108
Fax: 314 286 1800
 Length 34;
 Indels
 52.6%; Score 10; DB 10; I 100.0%; Pred. No. 4.2e+04; ive 0; Mismatches 0;
 Email: satch@ascidian:zool.kyoto-u.ac.jp.
Location/Qualifiers
 SK"
 Kyoto University
Sakyo-ku, Kyoto, Kyoto 606-8502, Japan
Tel: 81-75-753-4081
Fax: 81-75-705-1113
 /tissue_type="whole animal"
/dev_stage="young adult"
/note="Vector: pBluescript S
5 c 8 g t
 The WashU-HHMI Mouse EST Project
 Ciona intestinalis.
Ciona intestinalis
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 1 GCTCTAGAAT 10
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16 GCTCTAGAAT 7
 house mouse.
 Waterston, R.
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 Query Match
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VERSION
KEYWORDS
SOURCE
ORGANISM
 RESULT 5
AV964763/c
 BASE COUNT
ORIGIN
 LOCUS
 DEFINITION
 AA681423/c
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 AUTHORS
TITLE
JOURNAL
COMMENT
 REFERENCE
AUTHORS
 TITLE
JOURNAL
COMMENT
 Matches
 ACCESSION
 VERSION
KEYWORDS
SOURCE
 REFERENCE
 RESULT 6
 FEATURES
 LOCUS
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 Constructed at the Institute for Genomic Research (TIGR),
Rockville, MD. Genomic DNA isolated from a cloned population of
Trypanosoma brucei (TREU927/4 GUTat 10.1) was mechanically sheared
to give a tight size distribution in to give a tight size distribution to to give a tight size distribution is described in detail in Smith, H. and Venter, J.C. (Making small insert libraries for whole genome shotgun sequencing projects. In Genome Sequencing: A Practical Approach, eds. M. Vaudin and B. Barrell, Oxford University Press, 1999).
Email: nelsayed@tigr.org
Details of T. brucei sequencing at the Sanger Centre are available at http://www.sanger.ac.uk/Projects/T_brucei/.
 ö
 GSS 13-DEC-2000
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1 (bases 1 to 29)
Hall, N., Bowman, S., Lennard, N.J., Doggett, J., Atkin, R.,
Chillingworth, C., Ormond, D., Harris, B., El-Sayed, N., Hou, L.,
Chillingworth, C., Ormond, D., and Barrell, B.G.
Direct Submission
Submitted (10-DEC-2000) Trypanosoma brucei genome sequencing
project, Sanger Centre, The Wellcome Trust Genome Campus, Hinxton,
Cambridge CB10 1SA, E-mail: barrell@sanger.ac.uk and
 Gaps
 Gaps
 TA264G10Q 29 bp DNA linear GSS 13-DE T. brucei sheared genomic DNA clone 264g10, reverse sequence, genomic survey sequence.
 Trypanosoma brucei
Bukaryota; Buglenozoa; Kinetoplastida; Trypanosomatidae;
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 52.6%; Score 10; DB 17; Length 29; 100.0%; Pred. No. 4e+04; tive 0; Mismatches 0; Indels
 52.6%; Score 10; DB 17; Length 28; 100.0%; Pred. No. 4e+04; ive 0; Mismatches 0; Indels
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 œ
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Matches 10; Conservative
 Query Match 52.6
Best Local Similarity 100.
Matches 10; Conservative
 7 GAATGAACGG 16
 6 AGAATGAACG 15
 7 AGAATGAACG 16
 Ггураповоща.
 Query Match
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 VERSION
KEYWORDS
SOURCE
ORGANISM
 source
 BASE COUNT
ORIGIN
 BASE COUNT
ORIGIN
 DEFINITION
 REFERENCE
AUTHORS
 TITLE
JOURNAL
 TA264G10Q
 ACCESSION
 PEATURES
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Email: mouseest@watson.wustl.edu

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Gaps

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EMEANTOCA: Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi; Mammaliai; Butheriai, Rodentia; Sciurognathi; Muridae; Murinae; Mus.

Elkaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi; Mammaliai; Butheriai, Rodentiai; Sciurognathi; Muridae; Murinae; Mus.

Kato, K. and Matoba, R.

Generation of expressed sequence tags from mouse brain
Unpublished (2002)
Contact: Kikuya Kato
Graduate School of Biological Sciences
Nara Institute of Science and Technology
8916-5 Takayama, Ikwam, Nara 630-0101, Japan
Fax: 81-743-72-5581
Fax: 81-743-72-5589
Email: kkatoobs.aist-nara.ac.jp,
URL:http://love2.aist-nara.ac.jp,
Location/Qualifiers
 AU259636 3'-directed mouse cDNA library Mus musculus cDNA clone BED0015510 3', mRNA sequence.
 14 bp DNA linear GSS 14-DEC-2000 IMOS41GOTR Mouse 10kb plasmid UUGCIM library Mus musculus genomic alone UUGCIMOS41GOT R, DNA sequence.
 each of which contains one or more TDNA insertion elements. The resultant fragment for each line was directly sequenced to determine the genomic sequence at the site of insertion. Details of the protocols used can be found at http://signal.salk.edu/tdna_protocols.html" a 9 c 9 g 16 t
 AZ662500.1 GI:11799646
GSS.
Mouse mouse.
Mus musculus
Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
Mammalia; Butheria; Rodentia; Sciurognathi; Muridae; Murinae; Mus.
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100.0%; Pred. No. 1.5
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 11 AGAATGAAC 19
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Matches 9; Conserv
 AU259636
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KEYWORDS
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AU259636
 REFERENCE
 VERSION
KEYWORDS
SOURCE
 RESULT 9
AZ662500
LOCUS
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 BH791685 45.60.x Arabidopsis thaliana TDNA insertion lines Arabidopsis thaliana genomic clone SALK_060837.45.60.x, DNA
 Eukaryock, Viridiplantae, Streptophyta, Embryophyta, Tracheophyta, Spermarophyta, Magnoliophyta, eudicotyledons, core eudicots; Rosidae, eurosida II, Brassicales; Brassicaceae, Arabidopsis.

1 (bases 1 to 49)
Alonso,J.W., Leisses,T.J., Barajas,P., Chen,H., Cheuk,R., Gadrinab,C., Jeske,A., Karnes,M., Kim,C.J., Parker,H., Prednis,L., Shinn,P., Zimmerman,J. an Ecker,J.R.

A Sequence-Indexed Library of Insertion Mutations in the Unpublished (2001)
 ö
 This clone is available royalty-free through LLNL; contact the IMAGE Consortium (info@image.llnl.gov) for further information. MGI:612575
Trace considered overall poor quality
High quality sequence stop: 1.
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/lab_host="DH10B"
 Contact: Joseph R. Ecker Salk Institute Genomic Analysis Laboratory (SIGNAL) The Salk Institute Genomic Analysis Laboratory (SIGNAL) 10010 N. Torrey Pines Road, La Jolla, CA 92037, USA Teat: 858 538 4100 x1752 Fax: 858 558 6379 Email: ecker@salk.edu
 Length 46;
 Indels
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100.0%; Pred. No. 4.4e+04;
iive 0; Mismatches 0;

 .49
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/strain="Columbia 0"

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 TDNA tagged.
Location/Qualifiers
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Matches 10; Conservative
 10 TGAACGGTGG 19
 17 TGAACGGTGG 8
 13
 source
 RESULT 7
BH791685
LOCUS
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KEYWORDS
SOURCE
ORGANISM
 BASE COUNT
ORIGIN
 REFERENCE
AUTHORS
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 FEATURES
 TITLE
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Gaps

JOURNAL

TITLE

REFERENCE

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/note="Organ: colon, Vector: pT7T3D-Pac (Pharmacia) with a modified polylinker; Site 1: Not I; Site 2: Eco RI; modified polylinker; Site 1: Not I; Site 2: Eco RI; Plasmid DNA from the normalized library NCI CGAP Colo was prepared, and se circles were made in vitro. PolTowing HAP purification, this DNA was used as tracer in a subtractive hybridization reaction. The driver was PCR-amplified cDNAs from a pool of 5,000 clones made from the same library (cloneIDs 1057416-1061255, and 1144584-1145351).

Subtraction by Bento Soares and M. Fatima Bonaldo. "
 27 bp mRNA linear EST 25-APR-2002
AU254302 3'-directed mouse cDNA library Mus musculus cDNA clone
BED0001498 3', mRNA sequence.
 Ph.D. CDNA Library Preparation: M. Bento Soares, Ph.D. CDNA Library Arrayed by: Greg Uennon, Ph.D. DNA Library Arrayed by: Greg University Genome Sequencing Center Clone distribution: NCI-CGAP clone distribution information can be
 Tumor Gene Index
Unpublished (1997)
Contact: Robert Strausberg, Ph.D.
Email: cgapbs-remail.nih.gov
Tissue Procurement: Ilan Kirsch, M.D., Michael R. Emmert-Buck, M.D.
 Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
Mammalia; Eutheria; Rodentia; Sciurognathi; Muridae; Murinae; Mus
1 (bases 1 to 25)
NCI-CGAP http://www.ncbi.nlm.nih.gov/ncicgap.
National Cancer Institute, Cancer Genome Anatomy Project (CGAP),
 Gaps
 Xato, K. and Matoba, R. Generation of Expressed sequence tags from mouse brain Generation of expressed sequence tags from mouse brain Unpublished (2002)
Contact: Kikuya Kato
Graduate School of Biological Sciences
Nara Institute of Science and Technology
Nara Institute of Science and Technology
Nara Institute of Science and Technology
Spl6-1 Takayama, Ikoma, Nara 630-0101, Japan
Tel: 81-743-72-5589
Fax: 81-743-72-5589
Email: kkato@bs.aist-nara.ac.jp,
URL:http://lovez.aist-nara.ac.jp,
Location/Qualifiers
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 Length 25;
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www-bio.llnl.gov/bbrp/image/image.html
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 DEFINITION
 BASE COUNT
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AU254302/c
 REFERENCE
AUTHORS
TITLE
JOURNAL
COMMENT
 JOURNAL
 Matches
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 FEATURES
 FEATURES
 TITLE
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 (http://www.jax.org/resources/documents/dnares/). The DNA was hydrodynamically sheared by repeated passage through a 0.005 inch orifice at constant velocity. The sheared DNA was blunt end-repaired with T4 DNA polymerase and T4 polymucleotide kinase. Adaptor oligonucleotides were ligated to the blunt ends in high molar excess. The adaptored DNA was purified and size-selected for a 9.5 to 10.5 kb range using preparative agarose gel electrophoresis. Vector DNA was prepared from a derivative of pWD42 (gil4732114|gb|AR129072.1), a copy-number inducible derivative of plasmid R1. The vector was ligated with adaptors complementary to the insert adaptors and purified. The sheared, adaptored mouse DNA was annealed to
 Dunn, D., Aoyagi, A., Barber, M., Beacorn, T., Duval, B., Hamil, C., Islam, H., Longacre, S., Mahmoud, M., Meenen, E., Pedersen, T., Reilly, M., Rose, M., Rose, R., Stokes, R., Tingey, A., von Niederhausern, A. Mouse whole genome scaffolding with paired end reads from 10kb plasmid inserts

Unpublished (2000)

Contact: Robert B. Weiss

University of Utah Genome Center
University of Utah

Weiss Biomedical Polymers Research Bldg., 20 S. 2030 E., SLC, UT 84112, USA
 ö
 adaptored vector DNA, and transformed into chemically-competent E. coli XL10-Gold (Stratagene) cells and selected for ampicillin resistance."
 Homo sapiens
Bukaryota; Metazoa; Chordata; Craniata; Vertebrata; Buteleostomi;
Mammalia; Butheria; Primates; Catarrhini; Hominidae; Homo.
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Seg primer: CACACAGGAAACAGCTATGACC
Class: plasmid ends
 Laboratory Mouse DNA Resource
 25 bp
 High quality sequence stop: 24.
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 9; Conservative
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Fax: 801 585 7177
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Best Local Similarity
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 human.
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DEFINITION

ACCESSION VERSION KEYWORDS SOURCE

RESULT 10 AI763346 LOCUS

ORGANISM

BASE COUNT ORIGIN

Matches

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source

PEATURES

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DNA clone 349b02, forward sequence,
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1 (bases 1 to 27)
Alonso, J.M., Leisse, T.J., Barajas, P., Chen, H., Cheuk, R., Gadrinab, C., Jeske, A., Karnes, M., Kim, C.J., Parker, H., Prednis, L., Shinn, P., Zimmerman, J. and Ecker, J.R.
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 Gaps
 Hall, N., Bowman, S., Lennard, N.J., Doggett, J., Atkin, R., Chillingworth, C., Ormond, D., Harris, B., El-Sayed, N., Hou, D., Mal'Ville, S.E., Rajandream, M.A. and Barrell, B.G. Direct Submission
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0
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Unpublished (2001)
Contact: Joseph R. Ecker
Salk Institute Genomic Analysis Laboratory (SIGNAL)
The Salk Institute for Biological Studies
10010 N. Torrey Pines Road, La Jolla, CA 92037, USA
TH: 858 453 4100 x1752
Fax: 858 558 6379
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 ecker@salk.edu
 Trypanosoma brucei.
 Class: TDNA tagged
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 TCTAGAATG 16
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 sequence.
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DEFINITION
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RESULT 13
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 Alonso, J.M., Leisse, T.J., Barajas, P., Chen, H., Cheuk, R., Gadrinab, C., Jeske, A., Karnes, M., Kim, C.J., Parker, H., Prednis, L., Shinn, P., Zimmerman, J. and Ecker, J.R.
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 30 bp mRNA linear EST 25-APR-2002
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 Constructed at the Institute for Genomic Research (TIGR),
Rockville, MD. Genomic DNA isolated from a cloned population of
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described in detail in Smith, H. and Venter, J.C. (Maxing small insert libraries for whole genome shotgun sequencing projects. In
Genome Sequencing: A Practical Approach, eds. M. Vaudin and B.
Barrell, Osford University Press, 1999).
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 Email: nelsayed@tigr.org
Details of T. brucei sequencing at the Sanger Centre are available at http://www.sanger.ac.uk/Projects/T_brucei/.
Location/Qualifiers
Submitted (10-DEC-2000) Trypanosoma brucei genome sequencing project, Sanger Centre, The Wellcome Trust Genome Campus, Hinxton, Cambridge CB10 1SA, E-mail: barrell@sanger.ac.uk and
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 Kato, K. and Matoba, R. Generation of expressed sequence tags from mouse brain Generation of expressed sequence tags from mouse brain Unpublished (2002)
Contact: Kikuya Kato
Graduate School of Biological Sciences
Nara Institute of Science and Technology
8916-5 Takayama, Ikoma, Nara 630-0101, Japan
Tel: 81-743-72-5581
Fax: 81-743-72-5581
Fax: 81-743-72-5581
Fax: B1-743-72-5581
Contact of Matoba Science and Technology
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## ALIGNMENTS

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Query Match

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PCT-US03-04088-551
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 LOCATION:
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 APPLICANT: McSwiggen, James
APPLICANT: Beigelman, Leonid
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TITLE OF INVENTION: Expression Using Short Interfering RNA (sinA)
FILE REPERENCE: 02-708-A (400/080)
CURRENT APPLICATION NUMBER: PCT/US03/04088
CURRENT FILING DATE: 2003-04-28
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APPLICANT: Ribozyme Pharmaceuticals, Inc.
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APPLICANT: Beigelman, Leonid
TITLE OF INVENTION: RNA Interference Mediated Inhibition of Telomerase Gene

PRIOR APPLICATION NUMBER: US 60/396,600 PRIOR FILING DATE: 2002-07-17

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Sequence 551, Application PC/TUS0304088 GENERAL INFORMATION:

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APPLICANT: Rickwiggen, James
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TITLE OF INVENTION: RNA Interference Mediated Inhibition of Telomerase Gene
TITLE OF INVENTION: Expression Using Short Interfering RNA (sinA)
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 CCATION: (15)..(18)
THER INFORMATION: 2'-deoxy
 NAME/KEY: misc feature
 AME/KEY: misc feature
 AME/KEY: misc_feature
 NAME/KEY: misc_feature
 WAME/KEY: misc feature
 TYPE: RNA
ORGANISM: Artificial
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100.0%; Score 19; DB 1; Length 23;
LOCATION: (14)..(14)
OTHER INFORMATION: 2'-deoxy-2'-fluoro
 NAME/KEY: misc feature
 NAME/KEY: misc_feature
 NUMBER BALE
SOFTWARE: Pate
SEQ ID NO 520
 Query Match
 ద
 APPLICANT: McSwiggen, James
APPLICANT: Beigelman, Leonid
TITLE OF INVENTION: Expression Using Short Interfering RNA (siNA)
TITLE OF INVENTION: Expression Using Short Interfering RNA (siNA)
FILE REFERENCE: 02-708-A (400/08)
CURRENT APPLICATION NUMBER: CT/10503/04088
CURRENT APPLICATION NUMBER: US 60/396,600
PRIOR APPLICATION NUMBER: US 60/358,580
PRIOR APPLICATION NUMBER: US 60/363,124
PRIOR APPLICATION NUMBER: US 60/363,124
PRIOR APPLICATION NUMBER: US 60/363,124
PRIOR FILING DATE: 2002-03-11
PRIOR PRILING DATE: 2002-06-66
PRIOR PRILING DATE: 2002-06-06
PRIOR PRILING DATE: 2002-06-06
PRIOR PRILING DATE: 2002-09-05
PRIOR PRILING DATE: 2002-09-0
 ö
 LOCATION: (21)...(21) ...
CTHER INFORMATION: 3'-3 attached terminal deoxyabasic moeity PCT-US03-04088-555
 Score 19; DB 1; Length 21;
Pred. No. 0.1;
 Indels
 FEATURE:
OTHER INFORMATION: Description of Artificial Sequence:
OTHER INFORMATION: antisense region
 Query Match 100.0%; Score 19; DB Best Local Similarity 100.0%; Pred. No. 0.1 Matches 19; Conservative 0; Mismatches
 Sequence 559, Application PC/TUS0304088 GENERAL INFORMATION:
 NAME/KEY: misc feature
LOCATION: (10)...(10)
OTHER INFORMATION: 2'-deoxy-2'-fluoro
 ION: (2)..(5)
INFORMATION: 2'-deoxy-2'-fluoro
 1 GCTCTAGAATGAACGGTGG 19
 NAME/KEY: misc feature
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OTHER INFORMATION: 2'-deoxy
 ION: (6). (9)
INFORMATION: 2'-deoxy
 LOCATION: (11)...(13)
OTHER INFORMATION: 2'-deoxy
NAME/KEY: misc feature
 AME/KEY: misc feature
 NAME/KEY: misc feature
 /KEY: misc_feature
 NAME/KEY: misc_feature
 ORGANISM: Artificial
 ઠે
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FEATURE:

OTHER INFORMATION: Description of Artificial Sequence: Target sequence/sinA sense

OTHER INFORMATION: region
PCT-US03-04088-520
 APPLICANT: Ribozyme Pharmaceuticals, Inc.
APPLICANT: Ribozyme Diames
APPLICANT: McSwiggen, James
APPLICANT: McSwiggen, James
APPLICANT: Beigelman, Leoner Mediated Inhibition of Telomerase Gene
TITLE OF INVENTION: RNA Interference Mediated Inhibition of Telomerase Gene
TITLE OF INVENTION: Expression Using Short Interfering RNA (siNA)
FILE REFERENT APPLICATION NUMBER: PCT/US03/04088
CURRENT APPLICATION NUMBER: 2003-04-28
 Gaps
 NAME/KEY: misc feature
LOCATION: (20) .. (20)
OTHER INFORMATION: Phosphorothioate 3'-Internucleotide Linkage
 0; Indels
 DB 1;
 ed. No. 0.1;
Mismatches
 Score 19;
Pred. No. 0.
 ; NAME/KEY: misc_feature
; LCCATION: (20)..(21)
. OTHER INFORMATION: n stands for thymidine
PCT-US03-04088-559
 PRIOR FILING DATE: 2002-07-17
PRIOR APPLICATION NUMBER: US 60/359,500
PRIOR PLING DATE: 2002-00-20
PRIOR FILING DATE: 2002-00-20
PRIOR PELICATION NUMBER: US 60/363,124
PRIOR PELICATION NUMBER: US 60/366,782
PRIOR APPLICATION NUMBER: US 60/406,784
PRIOR PELING DATE: 2002-06-06
PRIOR FILING DATE: 2002-08-29
PRIOR FILING DATE: 2002-09-05
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PRIOR PLING DATE: 2002-09-09
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PRIOR FILING DATE: 2002-09-09
 CURRENT FILING DATE: 2003-04-28
PRIOR APPLICATION NUMBER: US 60/396,600
 COCATION: (17)..(17)

THER INFORMATION: 2'-deoxy-2'-fluoro
 PCT-US03-04088-520/c
; Sequence 520, Application PC/TUS0304088
; GENERAL INFORMATION:
 1 GCUCUAGAAUGAACGGUGG 19
 Query Match
Best Local Similarity 78.9%;
Matches 15; Conservative
 NUMBER OF SEQ ID NOS: 626
SOFTWARE: PatentIn version 3.2
LOCATION: (15)...(16)
OTHER INFORMATION: 2'-deoxy
 NAME/KEY: misc feature
LOCATION: (18) ... (19)
JTHER INFORMATION: 2'-deoxy
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Gaps
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 100.0%; Score 19; DB 6; Length 26; 100.0%; Pred. No. 0.098; ive 0; Mismatches 0; Indels
 COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PATENTIN Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/721,456
FILING DATE: 22-Nov-2000
CLASSIFICATION: <Unknown>
 NAME: Apple, Randolph Ted
REGISTRATION NUMBER: 36,429
REFERENCE/DOCKET NUMBER: 015389-002610US
 PILING DATE: 14-AUG-1997
APPLICATION NUMBER: US 08/912,951
FILING DATE: 14-AUG-1997
APPLICATION NUMBER: US 08/915,503
FILING DATE: 14-AUG-1997
APPLICATION NUMBER: WO PCT/US97/17618
FILING DATE: 01-OCT-1997
APPLICATION NUMBER: WO PCT/US97/17885
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APPLICATION NUMBER: 00-OCT-1997
 LOCATION: 1..26
OTHER INFORMATION: /note= "R3c primer"
SEQUENCE DESCRIPTION: SEQ ID NO: 598:
 PRIOR APPLICATION DATA:

APPLICATION NUMBER: US/08/974,549A
FILING DATE: 19.NOV-1997
APPLICATION NUMBER: US 08/724,643
FILING DATE: 01-0CT-1996
APPLICATION NUMBER: US 08/844,419
FILING DATE: 18-APR-1997
APPLICATION NUMBER: US 08/846,017
FILING DATE: 25-APR-1997
APPLICATION NUMBER: US 08/854,050
FILING DATE: 09-MAY-1997
APPLICATION NUMBER: US 08/854,050
FILING DATE: 09-MAY-1997
APPLICATION NUMBER: US 08/854,050
FILING DATE: 09-MAY-1997
 APPLICATION NUMBER: US 08/911,312
 Sequence 598, Application US/10325810
GENERAL INFORMATION:
APPLICANT: Cech, Thomas R.
Lingner, Joachim
Nakamura, Toru
Chapman, Karen B.
 TELECOMMUNICATION INFORMATION:
TELEPHONE: (415) 576-0200
TELEFAX: (415) 576-0300
 ZIP: 94111-3834
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
 ATTORNEY/AGENT INFORMATION:
 1 GCTCTAGAATGAACGGTGG 19
 INFORMATION FOR SEQ ID NO: 598:
SEQUENCE CHARACTERISTICS:
LENGTH: 26 base pairs
 STATE: California
 Query Match
Best Local Similarity 100.0
Matches 19; Conservative
 RESULT 10
US-10-325-810-598
 US-09-721-456-598
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 OTHER INFORMATION: Description of Artificial Sequence: Target sequence/sinA sense OTHER INFORMATION: region
 ö
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 Gaps
 Gaps
 ö
 Sequence 598, Application US/09721456
GENERAL INFORMATION:
APPLICANT: Cech, Thomas R.
Lingner, Joachim
Nakamura, Toru
Chapman, Karen B.
Morin, Gregg B.
Harley, Calvin B.
Andrews, William H.
TITLE OF INVENTION: Human Telomerase Catalytic Subunit
NUMBER OF SEQUENCES: 727
CORRESPONDENCE ADDRESS:
 APPLICANT: RIDGOZYME PHARMACCHLICALB, INC.
APPLICANT: MCSW49Gen. James
APPLICANT: Beigelman, Leonid
TITLE OF INVENTION: RNA Interference Mediated Inhibition of Telo
TITLE OF INVENTION: Expression Using Short Interfering RNA (sin
FILE REPERENCE: 02-708-A (400/080)
CURRENT APPLICATION NUMBER: PCT/US03/04088
CURRENT FILING DATE: 2003-04-28
PRIOR APPLICATION NUMBER: US 60/396,600
PRIOR APPLICATION NUMBER: US 60/396,580
PRIOR PILING DATE: 2002-05-20
PRIOR PILING DATE: 2002-05-20
PRIOR PILING DATE: 2002-05-30
PRIOR PILING DATE: 2002-06-31
PRIOR PILING DATE: 2002-06-60
PRIOR PILING DATE: 2002-06-60
PRIOR PILING DATE: 2002-06-90
PRIOR PILING DATE: 2002-09-05
PRIOR PILING DATE: 2003-01-15
 100.0%; Score 19; DB 1; Length 23; 100.0%; Pred. No. 0.099;
 0; Indels
 ADDRESSEE: Townsend and Townsend and Crew LLP STREET: Two Embarcadero Center, Eighth Floor
 Pred. No. 0.099;
 0; Mismatches
 APPLICANT: Ribozyme Pharmaceuticals, Inc.
 Sequence 521, Application PC/TUS0304088 GENERAL INFORMATION:
 1 GCTCTAGAATGAACGGTGG 19
 GCTCTAGAATGAACGGTGG 3
Best Local Similarity 100.0%;
Matches 19; Conservative C
 : PatentIn version 3.2
 Best Local Similarity 100. Matches 19; Conservative
 ORGANISM: Artificial
 PCT-US03-04088-521
 Query Match
 SOFTWARE
```

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US-10-330-872-5
Andrews, William H.
TITLE OF INVENTION: Human Telomerase Catalytic Subunit
NUMBER OF SEQUENCES: 633
 100.0%; Score 19; DB 9; Length 26; 100.0%; Pred. No. 0.098;
 COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
COMFATING SYSTEM: PC-DOS/NS-DOS
SOFTWARE: PATERITIN Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/10/325,810
 ADDRESSEE: Townsend and Townsend and Crew LLP STREET: Two Embarcadero Center, Eighth Floor
 FILING DATE: 09-MAY-1997
APPLICATION NUMBER: US 08/911,312
FILING DATE: 14-AUG-1997
APPLICATION NUMBER: US 08/912,951
FILING DATE: 14-AUG-1997
APPLICATION NUMBER: US 08/915,503
FILING DATE: 14-AUG-1997
APPLICATION NUMBER: WO PCT/US97/17885
FILING DATE: 01-OCT-1997
 NAME: Ausenhus, Scott L.
REGISTRATION NUMBER: 42,271
REFERENCE/DOCKET NUMBER: 015389-002620US
 LOCATION: 1..26
OTHER INFORMATION: /note= "R3c primer"
SEQUENCE DESCRIPTION: SEQ ID NO: 598:
 PILING DATE: 29-Sep-1997
APPLICATION NUMBER: US 08/724,643
FILING DATE: 01-OCT-1996
APPLICATION NUMBER: US 08/844,419
FILING DATE: 18-APPL-1997
FILING DATE: 18-APPL-1997
 APPLICATION NUMBER: US/09/402,181
 APPLICATION NUMBER: US 08/851,843
FILING DATE: 06-MAY-1997
APPLICATION NUMBER: US 08/854,050
 FILING DATE: 20-Dec-2002
CLASSIFICATION: <Unknown>
 TELECOMMUNICATION INFORMATION:
 TELEFAX: (415) 576-0300
 ATTORNEY/AGENT INFORMATION:
 SEQUENCE CHARACTERISTICS:
LENGTH: 26 base pairs
 INFORMATION FOR SEQ ID NO: 598
 TYPE: nucleic acid
STRANDEDNESS: single
 CITY: San Francisco
 PRIOR APPLICATION DATA:
 CORRESPONDENCE ADDRESS:
 fornia
 TOPOLOGY: linear MOLECULE TYPE: DNA
 COUNTRY: USA
 Query Match
Best Local Similarity
Matches 19; Conserv
 NAME/KEY:
 US-10-325-810-598
 FEATURE
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. 0

0; Mismatches

1 GCTCTAGAATGAACGGTGG 19

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23

RESULT 11

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Gaps
 Indels
 COUNTRY: USA
ZIP: 9411-3816
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
COMPUTER: SYSTEM: PC-DOS/MS-DOS
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.30
 ADDRESSEE: Townsend and Townsend and Crew LLP STREET: Two Embarcadero Center, Eighth Floor
 100.0%; Score 19; DB 9;
100.0%; Pred. No. 0.098;
iive 0; Mismatches 0.
 Andrews, William H.
TITLE OF INVENTION: Mammalian Telomerase
NUMBER OF SEQUENCES: 42
CORRESPONDENCE ADDRESS:
 PPLICANT: Pruzan, Ronald
ITLE OF INVENTION: Using Purified Telomerase
ITLE OF INVENTION: Inhibitors
 APPLICATION NUMBER: US/09/057,351
FILING DATE: 08-APR-1994
PHLIANIO NUMBER: US 08/272,102
FILING DATE: 07-JUL-1994
APPLICATION NUMBER: US 08/330,123
 FILING DATE: 27-OCT-1994
APPLICATION NUMBER: US 08/472,802
FILING DATE: 07-JUN-1995
 APPLICATION NUMBER: US/10/359,935 FILING DATE: 07-Feb-2003 CLASSIFICATION: 435
 , MOLECULE TYPE: DNA
, SEQUENCE DESCRIPTION: SEQ ID NO: 23:
US-10-359-935-23
 NAME: Storella, John R.
REGISTRATION NUMBER: 32,944
REFERENCE/DOCKET NUMBER: 01:
Sequence 23, Application US/10359935
GENERAL INFORMATION:
APPLICANT: Villeponteau, Bryant
 TELECOMMUNICATION INFORMATION TELEPHONE: (415) 576-0200
 Sequence 5, Application US/10330872 GENERAL INFORMATION:
 1 GCTCTAGAATGAACGGTGG 19
 ATTORNEY/AGENT INFORMATION
 CURRENT APPLICATION DATA:
 CITY: San Francisco
STATE: California
 INFORMATION FOR SEQ ID NO: 23
SEQUENCE CHARACTERISTICS
 Feng, Junli
Funk, Walter
 PRIOR APPLICATION DATA:
 APPLICANT: Geron Corporation
 Conservative
 ELEFAX: (415)
 FILE REFERENCE: 011/006C
 Query Match
Best Local Similarity
Matches 19; Conserv
 APPLICANT:
 APPLICANT:
APPLICANT:
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rence Mediated Inhibition of Telomerase Gene
Using Short Interfering RNA (siNA)
 OTHER INFORMATION: Description of Artificial Sequence: sinA sense region
 Gaps
 ô
 APPLICANT: MCSwiggen, James
APPLICANT: Beigelman, Leonia
TITLE OF INVENTION: RNA Interference Mediated Inhibition of
TITLE OF INVENTION: Expression Using Short Interfering RNA
FILE REFERENCE: 02-708-A (400/080)
CURRENT APPLICATON NUMBER: PCT/US03/04088
CURRENT FILING DATE: 2003-04-28
 Length 21;
 Indels
 Score 17; DB 1;
Pred. No. 1.7;
 TITLE OF INVENTION: Expression Using Short In TITLE OF INVENTION: Expression Using Short In CURRENT APPLICATION NUMBER: PCT/US03/04088 CURRENT APPLICATION NUMBER: PCT/US03/04088 CURRENT FILING DATE: 2003-04-28 PRIOR PAPLICATION NUMBER: US 60/396,600 PRIOR PELING DATE: 2002-07-17 PRIOR PILING DATE: 2002-02-20 PRIOR PILING DATE: 2002-02-20 PRIOR PILING DATE: 2002-03-11 PRIOR PAPLICATION NUMBER: US 60/386,782 PRIOR PILING DATE: 2002-06-06 PRIOR FILING DATE: 2002-06-06 PRIOR FILING DATE: 2002-06-06 PRIOR FILING DATE: 2002-06-06 PRIOR FILING DATE: 2002-09-05 PRIOR PILING DATE: 2002-09-09 PRIOR PILING DATE: 2002-09-09 PRIOR PILING DATE: 2002-09-09 PRIOR PILING DATE: 2002-09-09 PRIOR FILING DATE: 2002-09-09 PRIOR FILING DATE: 2002-09-09 PRIOR FILING DATE: 2002-09-09 PRIOR PILING DATE: 2002-09-09 PRIOR PILING DATE: 2002-09-09 PRIOR FILING PR
 PRIOR PELING DATE: 2003-04-28
PRIOR PELING DATE: 2002-07-17
PRIOR PELING DATE: 2002-07-17
PRIOR APPLICATION NUMBER: US 60/356,600
PRIOR PELING DATE: 2002-02-02
PRIOR PELING DATE: 2002-02-02
PRIOR APPLICATION NUMBER: US 60/363,124
PRIOR PELING DATE: 2002-03-11
PRIOR PELING DATE: 2002-06-06
PRIOR PELING DATE: 2002-06-06
PRIOR PELING DATE: 2002-09-05
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PRIOR PELING DATE: 2002-09-09
PRIOR PELING DATE: 2002-09-09
PRIOR PELING DATE: 2002-09-19
PRIOR PELING DATE: 2002-09-19
 ; LOCATION: (20)...(21)
; OTHER INFORMATION: n stands for thymidine PCT-US03-04088-538
 APPLICANT: Ribozyme Pharmaceuticals, Inc
 Sequence 542, Application PC/TUS0304088 GENERAL INFORMATION:
 89.5%; Scc.
100.0%; Pre
 Query Match 89.5
Best Local Similarity 100.
Matches 17; Conservative
 TYPE: RNA
ORGANISM: Artificial
 PCT-US03-04088-542
 SEQ ID NO 538
 ઠ
 APPLICANT: Weinrich, Scott
APPLICANT: Atkinson III, Edward
APPLICANT: Atkinson III, Edward
APPLICANT: Lichtsteiner, Serge
APPLICANT: Lichtsteiner, Serge
APPLICANT: Lichtsteiner, Serge
APPLICANT: Unversion Brain
APPLICANT: Pruzan, Ronald
ITILE OF INVENTION: Uninbitors
ITILE OF INVENTION: Uninbitors
ITILE OF INVENTION: Uninbitors
FILE REPERBNCE: 01/006C
CURRENT APPLICATION NUMBER: US/10/330,872A
CURRENT PAPLICATION NUMBER: 08/10,736
PRIOR FILING DATE: 1995-08-04
PRIOR FILING DATE: 1997-04-04
 ;
0
 ö
 Score 19; DB 10; Length 30;
Pred. No. 0.097;
 Score 19; DB 10; Length 30;
Pred. No. 0.097;
 0; Indels
 Indels
 Mismatches
 Mismatches
CURRENT APPLICATION NUMBER: US/10/330,872
 APPLICANT: Ribozyme Pharmaceuticals, Inc
APPLICANT: McSwiggen, James
 PRIOR APPLICATION NUMBER: 08/510,736
PRIOR FILING DATE: 1995-08-04
PRIOR FILING DATE: 1995-04-04
PRIOR FILING DATE: 1997-04-04
PRIOR FILING DATE: 1999-10-18
PRIOR PELING DATE: 1999-10-18
PRIOR PELING DATE: 1999-10-18
PRIOR FILING DATE: 2000-11-20
NUMBER: 09/717,828
PRIOR FILING DATE: 2000-11-20
NUMBER: PROS: 11
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Sequence 538, Application PC/TUS0304088
GENERAL INFORMATION:
 Sequence 5, Application US/10330872A GENERAL INFORMATION:
 1 GCTCTAGAATGAACGGTGG 19
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 1 ścicracaarcaaccarce 19
 Query Match
Best Local Similarity 100.0%;
Matches 19; Conservative 0,
 Query Match
Best Local Similarity 100.0%;
Matches 19; Conservative 0
 ; TYPE: DNA
; ORGANISM: Homo sapiens
US-10-330-872-5
 TYPE: DNA
ORGANISM: Homo sapiens
 -10-330-872A-5
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% SOFTWARE: Patentin version 3.2
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LENGTH: 21
% TYPE: RNA
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% OTHER INFORMATION: n stands for thymidine
% OTHER INFORMATION: n s
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Search completed: June 23, 2003, 19:12:12 Job time: 834.032 secs

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Match Length
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ptodata/2/pna/US088 COMB.seq:
GenCore version 5.1.6
Copyright (c) 1993 - 2003 Compugen Ltd.
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 pna/US096A_COMB.
pna/US096B_COMB.
 pna/US096C_COMB.
 pna/US096E_COMB.
 pna/US097A_COMB.
 pna/US097B_COMB.
 pna/US098A_COMB.
 24791104 segs, 12571243825 residues
 Pending Patents NA Main:*

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/pna/US095B C
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 Post-processing: Listing first 45 summaries
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Gapop 60.0 , Gapext 60.0
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 US-08-770-564A-9
19
 Minimum DB seq length: 0 Maximum DB seq length: 50
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 Scoring table:
 Title:
Perfect score:
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 Word size
 Sequence:
 Searched:
 Database
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Sequence 17,

Sequence

Sequence 23, Sequence 19, Sequence 41,

Sequence

Sequence Seguence

Sequence Sequence Sequence

Sequence Sequence

Sequence 2 Sequence 2 Sequence 2

Description

Seguence Sequence us-08-770-564a-9.oligo.rnpm

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Gaps
 Sequence 9, Application US/08770564A
GENERAL INFORMATION:
APPLICANT: Kealey, James T.
APPLICANT: Pruzan, Ron
APPLICANT: Weinrich, Scott L.
TITLE OF INVENTION: Inhibitory Polynucleotides Directed
TITLE OF INVENTION: Inhibitory Against the RNA Component of Telomerase
NUMBER OF SEQUENCES: 15
CORRESPONDENCE ADDRESS:
 100.0%; Score 19; DB 11; Length 19; 100.0%; Pred. No. 0.68; cive 0; Mismatches 0; Indels
 Query Match
100.0%; Score 19; DB 1; Length 19;
Best Local Similarity 100.0%; Pred. No. 0.68;
Matches 19; Conservative 0; Mismatches 0; Indels
 COMPUTER REMUMBLE FORM:
WEDIUM TYPE: FILPOPY disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/WS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/770,564A
FILING DATE: 20-DEC-1996
CLASSIFICATION: 514
ATTORNEY/AGENT INFORMATION:
NAME: Storella, John R.
REGISTRATION WUMBER: 32,944
REGISTRATION WUMBER: 32,944
 ADDRESSEE: TOWNSEND and TOWNSEND and CREW LLP STREET: Two Embarcadero Center, 8th Floor CITY: San Francisco
 REFERENCE/DOCKET NUMBER: 015389-002200US
TELECOMMUNICATION INFORMATION:
TELEPHONE: 415-576-0200
INFORMATION FOR SEQ ID NO: 9:
SEQUENCE CHARACTERISTICS:
LENGTH: 19 base pairs
 FEATURE;

NAME/KEY: -

LOCATION: 1..19

COTHER INFORMATION: /note= "oligo 21ab"

PCT-US97-23619-9
 1 GCTCTAGAATGAACGGTGG 19
 1 GCTCTAGAATGAACGGTGG 19
 1 GCTCTAGAATGAACGGTGG 19
 Query Match
Best Local Similarity 100.0
Matches 19; Conservative
 STATE: CA
COUNTRY: USA
ZIP: 94111
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy di
 LENGIH: 19 base pairs
 TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
 single
 TYPE: nucleic acid
 TOPOLOGY: linear; MOLECULE TYPE: DNA US-08-770-564A-9
 MOLECULE TYPE: DNA
 STRANDEDNESS:
 RESULT 2
US-08-770-564A-9
 RESULT 3
US-09-250-336A-4
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 Sequence 598, App
Sequence 598, App
Sequence 598, App
Sequence 5, Appli
 Sequence 598, App
Sequence 598, App
Sequence 9, Appli
Sequence 26, Appli
 Sequence 312, App
Sequence 312, App
 Sequence 26, Appli
Sequence 8, Appli
Sequence 5, Appli
Sequence 8, Appli
 Sequence 2, Appli
 Sequence 10,
 Sequence 5
Sequence 5
 Sequence Sequence 4
 Sequence
 Sequence
 Sequence
 APPLICANT:
APPLICANT:
APPLICANT:
APPLICANT:
TITLE OF INVENTION: Methods for Detecting and Inhibiting the
TITLE OF INVENTION: RNA Component of Telomerase
NUMBER OF SEQUENCES: 29
CORRESPONDENCE ADDRESS:
 STREET: Two Embarcadero Center, Bighth Floor
CITY: San Francisco
STATE: California
COUNTRY: USA
ZIP: 94111-3834
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: PCT/US97/23619
FILING DATE: NOW yet assigned
CLASSIFICATION:
ADDRESSEE: Townsend and Townsend and Crew LLP STREET: Two Embarcadero Center, Eighth Floor
 PRIOR APPLICATION DATA:

APPLICATION NUMBER: US 08/770,564
FILING DATE: 20-DEC-1996
PRIOR APPLICATION NUMBER: US 08/770,565
FILING DATE: 20-DEC-1996
ATTORNEY, GAENT INFORMATION:
NAME: Storella, John R.
REGISTRATION NUMBER: 32,944
REFERENCE/DOCKET NUMBER: 15389-27PC
TELECOMMUNICATION INFORMATION:
TELECOMMUNICATION INFORMATION:
TELECOMMUNICATION INFORMATION:
TELECOMMUNICATION INFORMATION:
TELECOMMUNICATION SEQ 1D NO: 9:
ASSQUENCE CHARACTERISTICS:
 ALIGNMENTS
 Sequence 9, Application PC/TUS9723619
GENERAL INFORMATION:
APPLICANT:
 PCT-US97-23619-9
 APPLICANT:
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RESULT 1

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ADDRESSEE:
STREET: 20
 PCT-US96-14679A-27
 PCT-US96-14679-27
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 APPLICANT: STAMBERG, Judith
APPLICANT: ABRUZZO, Lynne V.
APPLICANT: HIGHERG, Judith
APPLICANT: HIGHERASCO, Lynne V.
APPLICANTON: TELOMERASCO OF BODY FLUIDS FOR CANCER SCREENING
TITLE OF INVENTION: AND ASSESSMENT OF DISEASE STAGE AND PROGNOSIS
CURRENT APPLICATION NUMBER: US 60/074,793
PRIOR APPLICATION NUMBER: US 60/074,793
PRIOR APPLICATION NUMBER: PCT/US99/03302
PRIOR FILLING DATE: 1998-02-16
PRIOR FILLING DATE: 1999-02-16
WUMBER OF SEQ ID NOS: 4
SOFTWARE: PATENTIN VET. 2.1
 Gaps
 FEATURE:
) OTHER INFORMATION: Description of Artificial Sequence:R3c, Primer
US-09-250-336A-4
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 ; OTHER INFORMATION: Description of Unknown Organism:R3c, Primer US-09-642-177-4
 Query Match 100.0%; Score 19; DB 16; Length 25; Best Local Similarity 100.0%; Pred. No. 0.67; Matches 19; Conservative 0; Mismatches 0; Indels
 Query Match 100.0%; Score 19; DB 25; Length 25; Best Local Similarity 100.0%; Pred. No. 0.67; Matches 19; Conservative 0; Mismatches 0; Indels
 APPLICANT: STROYEL, Jeffrey W.
APPLICANT: STROYEL, Judith
APPLICANT: STROYEL, Judith
APPLICANT: STROYEL, Judith
APPLICANT: ARRUZZO, Lynne V.
APPLICANT: HIGHSMITH, Edward
TITLE OF INVENTION: TELOMERASE ASSAY OF BODY FLUIDS
FILE REFERENCE: 10460-0019)
CURRENT APPLICATION NUMBER: US/09/642,177
CURRENT FILING DATE: 2000-08-18
PRIOR FILING DATE: 1999-02-16
PRIOR APPLICATION NUMBER: US 09/250,336
PRIOR FILING DATE: 1999-02-16
PRIOR FILING DATE: 1999-02-16
PRIOR FILING DATE: 1999-02-16
NUMBER OF FILING DATE: 1999-02-16
NUMBER OF SEQ. ID NOS: 6
SOFTWARE: PatentIn Ver. 2.1
Application US/09250336A
 Sequence 4, Application US/09642177 GENERAL INFORMATION:
 1 GCTCTAGAATGAACGGTGG 19
 4 GCTCTAGAATGAACGGTGG 22
 GCTCTAGAATGAACGGTGG 22
 STROVEL, Jeffrey W.
 TYPE: DNA ORGANISM: Artificial Sequence
 TYPE: DNA
ORGANISM: Unknown Organism
 US-09-642-177-4
 SEQ ID NO 4
LENGTH: 25
 SEQ ID NO 4
LENGTH: 25
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PCT-US96-14679-27

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ö
Sequence 27, Application PC/TUS9614679
GENERAL INFORMATION:
APPLICANT: VILLEPONTEAU, BRYANT
APPLICANT: FING
APPLICANT: ANDREWS, WILLIAM H.
APPLICANT: ADAMS, ROBERT R.
TITLE OF INVENTION: METHODS AND REAGENTS FOR REGULATING
TITLE OF INVENTION: TELOMERE LENGTH AND TELOMERASE ACTIVITY
NUMBER OF SEQUENCES: 27
CORRESPONDENCE ADDRESS:
 Sequence 27, Application PC/TUS9614679A
GENERAL INFORMATION:
APPLICANT: VILLEPONTEAU, BRYANT
APPLICANT: FENG, JUNLI
APPLICANT: ANDREWS, WILLIAM H.
APPLICANT: ADAMS, ROBERT R.
TITLE OF INVENTION: METHODS AND REAGENTS FOR REGULATING
TITLE OF INVENTION: TELOMERE LENGTH AND TELOMERASE ACTIVITY
NUMBER OF SEQUENCES: 27
 100.0%; Score 19; DB 1; Length 26; 100.0%; Pred. No. 0.67;
 0; Indels
 COMPUTER READABLE FORM:

ZIP: 94025

COMPUTER READABLE FORM:

MEDIUM TYPE: Floppy disk

COMPUTER: IBM PC compatible

OPERATING SYSTEM: PC-DOS/MS-DOS

SOFTWARE: PatentIn Release #1.0, Version #1.30

CURRENT APPLICATION DATA:

APPLICATION NUMBER: PCT/US96/14679

FILLING DATE: 13-SEP-1996
 MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
COPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PSTEMIL Release #1.0, Version #1.30
 Mismatches
 ATTORNEY/AGENT INFORMATION:
NAME: KASTER ESQ., KEVIN R.
REGISTRATION NUMBER: 32,704
REPERENCE/DOCKET NUMBER: 012/045PCT
TELECOMMUNICATION:
TELEPHONE: (415) 473-7779
 SSEE: GERON CORPORATION
F: 200 CONSTITUTION DRIVE
MENLO PARK
 CORRESPONDENCE ADDRESS:
ADDRESSEE: GERON CORPORATION
STREET: 200 CONSTITUTION DRIVE
CITY: MENLO PARK
STATE: CALIFORNIA
 1 GCTCTAGAATGAACGGTGG 19
 0;
 5 GCTCTAGAATGAACGGTGG 23
 MOLECULE TYPE: DNA (genomic)
 Query Match
Best Local Similarity 100.0
Matches 19; Conservative
 SEQUENCE CHARACTERISTICS
LENGTH: 26 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
 COUNTRY: U.S.A.
ZIP: 94025
COMPUTER READABLE FORM:
 STATE: CALIFORNIA
 linear
 CLASSIFICATION:
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Gaps

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Score 19; DB 1; Length 26; Pred. No. 0.67;
 DB 1; Length 26;
 0; Indels
 0; Indels
 SCHOOL OF MEDICINE
 Townsend and Townsend Khourie and Crew
 APPLICANT: THE JOHNS HOPKINS UNIVERSITY SCHOOL OF MEDJ
TITLE OF INVENTION: TELOMERASE-ASSOCIATED PROTEINS
TITLE OF INVENTION: TELOMERASE-ASSOCIATED PROTEINS
FILE REPERENCE: 07265/157W01
CURRENT APPLICATION NUMBER: PCT/US99/07533A
GURRENT FILING DATE: 1999-04-06
BARLIER APPLICATION NUMBER: 60/080,783
BARLIER PILING DATE: 1998-04-06
NUMBER OF SEQ ID NOS: 15
SOFTWARE: FASISEQ for Windows Version 3.0
 PatentIn Release #1.0, Version #1.25
 Mismatches
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 EARLIER APPLICATION NUMBER: 60/080,783
STRILING DATE: 1998-04-06
NUMBER OF SEQ ID NOS: 15
SOFTWARE: PASTSEQ for Windows Version 3.0
 Sequence 23, Application US/08272102
GENERAL INFORMATION:
APPLICANT: VILLEPONTEAU, Bryant
APPLICANT: FENG, Junii
APPLICANT: FUNK, Walter
APPLICANT: ANDREWS, William H.
TITLE OF INVENTION: HUMAN TELOMERASE
NUMBER OF SEQUENCES: 24
 ; Sequence 4, Application PC/TUS9907533A
; GENERAL INFORMATION:
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100.0%; Pr
tive 0;
 1 GCTCTAGAATGAACGGTGG 19
 GCTCTAGAATGAACGGTGG 23
 ..
 1 GCTCTAGAATGAACGGTGG 19
 GCTCTAGAATGAACGGTGG 23
 100.0%;
 TYPE: DNA
ORGANISM: Artificial Sequence
 TYPE: DNA ORGANISM: Artificial Sequence
 379 Lytton Avenue
 COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
 Query Match
Best Local Similarity 100.
Matches 19, Conservative
 Query Match
Best Local Similarity 100.
Matches 19; Conservative
 FEATURE:
COTHER INFORMATION: primer
PCT-US99-07533-4
 FEATURE:
COTHER INFORMATION: primer
PCT-US99-07533-4
 CORRESPONDENCE ADDRESS:
 ALD...
STREET: 379 L.
CITY: Palo Alto
 COMPUTER: IBM PC OPERATING SYSTEM: SOFTWARE: Patentli
 ADDRESSEE:
 RESULT 9
PCT-US99-07533-4
 SEQ ID NO 4
LENGTH: 26
 8
 셤
 APPLICANT: Strovel, Jeffrey W
APPLICANT: Strovel, Jeffrey W
APPLICANT: Stamberg, Judith
APPLICANT: Stamberg, Judith
APPLICANT: Stamberg, Judith
APPLICANT: Highsmith, Edward
TITLE OF INVENTION: Telomerase Assay of Body Fluids for Cancer Screen;
TITLE OF INVENTION: and Assessment of Disease Stage and Prognosis
TITLE OF INVENTION NUMBER: PCT/US99/03302
CURRENT APPLICATION NUMBER: PCT/US99/03302
CURRENT FILING DATE: 1999-02-16
EARLIER APPLICATION NUMBER: 60/074,793
EARLIER FILING DATE: 1998-02-16
NUMBER OF SEQ ID NOS: 4
SOFTWARE: Patentin Ver. 2.0
SEQ ID NO 4
LENGTH: 26
 ö
 Query Match
100.0%; Score 19; DB 1; Length 26;
Best Local Similarity 100.0%; Pred. No. 0.67;
Matches 19; Conservative 0; Mismatches 0; Indels
 OTHER INFORMATION: Description of Artificial Sequence: R3c, CTHER INFORMATION: synthesized, Glbco-BRL PCT-US99-03302-4
 Query Match
100.0%; Score 19; DB 1; Length 26;
Best Local Similarity 100.0%; Pred. No. 0.67;
Matches 19; Conservative 0; Mismatches 0; Indels
 0; Indels
 TITLE OF INVENTION: TELOMERASE-ASSOCIATED PROTEINS
TITLE OF INVENTION: TELOMERASE-ASSOCIATED PROTEINS
TITLE REPERENCE: 07265/157N OL
CURRENT APPLICATION NUMBER: PCT/US99/07533
CURRENT FILING DATE: 1999-04-06
 ATTORNEY/AGENT INPORMATION:
NAME: KASTER ESQ., KEVIN R.
REGISTRATION NUMBER: 32,704
REFERENCE/DOCKET NUMBER: 012/045PCT
TELECOMMUNICATION:
TELEPHONE: (415) 473-7779
 APPLICATION NUMBER: PCT/US96/14679A
FILING DATE: 13-SEP-1996
 Sequence 4, Application PC/TUS9903302 GENERAL INFORMATION:
 Sequence 4, Application PC/TUS9907533 GENERAL INFORMATION:
 TELEPHONE: (415) 473-779
TELEFAX: (415) 473-779
INFORMATION FOR SEQ ID NO: 27:
SEQUENCE CHARACTERISTICS:
LENGTH: 26 base pairs
TYPE: nucleic acid
STRANDENESS: single
 1 GCTCTAGAATGAACGGTGG 19
 5 GCTCTAGAATGAACGGTGG 23
 1 GCTCTAGAATGAACGGTGG 19
 5 GCTCTAGAATGAACGGTGG 23
 TOPOLOGY: linear
MOLECULE TYPE: DNA (genomic)
 ORGANISM: Artificial Sequence
CURRENT APPLICATION DATA:
 CLASSIFICATION:
 PCT-US96-14679A-27
 PCT-US99-03302-4
 PCT-US99-07533-4
 Query Match
 TYPE: DNA
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Gaps

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 Query Match 100.0%; Score 19; DB 7; Length 26; Best Local Similarity 100.0%; Pred. No. 0.67; Matches 19; Conservative 0; Mismatches 0; Indels
 100.0%; Score 19; DB 8; Length 26; 100.0%; Pred. No. 0.67; ive 0; Mismatches 0; Indels
 COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/472,802A
FLING DATE: 0'-JUN-1995
CLASSIFICATION NUMBER: US/08/22,102
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/272,102
PLING DATE: O'-JUL-1994
ATTORNEY/AGENT INFORMATION:
NAME: SLOCATIB, JOHN R.
REGISTRATION NUMBER: 32,944
REFERENCE/DOCKET NUMBER: 15389-000820
 RESULT 12
US-08-472-802A-24
i Sequence 24, Application US/08472802A
i Sequence 24, Application US/08472802A
i Sequence 24, Application US/08472802A
i APPLICANT: Villeponteau, Bryant
APPLICANT: Feng, Junli
i APPLICANT: Andrews, William H.
ITLE OF INVENTION: Mammalian Telomerase
NUMBER OF SEQUENCES: 40
i CORRESPONDENCE ADDRESS:
ADDRESSEE: Townsend and Townsend and Crew LLP
STREET: Two Embarcadero Center, Eighth Floor
 1 GCTCTAGAATGAACGGTGG 19
 1 GCTCTAGAATGAACGGTGG 19
 5 GCTCTAGAATGAACGGTGG 23
 5 GCTCTAGAATGAACGGTGG 23
 TELECOMMUNICATION INFORMATION:
TELEPHONE: (415) 576-0200
TELEPAX: (415) 576-0300
INFORMATION FOR SEQ ID NO: 24:
SEQUENCE CHARACTERISTICS:
 ; MOLECULE TYPE: DNA (genomic) US-08-387-524-19
 Query Match
Best Local Similarity 100.
Matches 19; Conservative
 26 base pairs
 STREET: Two Embarcade CITY: San Francisco STATE: California COUNTRY: USA
 TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
 nucleic acid
EDNESS: single
 linear
 linear
 TYPE: nucleic
STRANDEDNESS:
 US-08-472-802A-24
 LENGTH:
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 Query Match
100.0%; Score 19; DB 6; Length 26;
Best Local Similarity 100.0%; Pred. No. 0.67;
Matches 19; Conservative 0; Mismatches 0: Indele
 MEDIUM TYPE: Floppy disk COMPUTER: IBM PC compatible OPERATING SYSTEM: PC-DOS/MS-DOS SOFTWARE: PACENCY MS-DOS SOFTWARE: Patentin Release #1.0, Version #1.30 CURRENT APPLICATION DATA: APPLICATION NUMBER: US/08/387,524 FILING DATE: 13-FEB.1995 CLASSIFICATION: 435 PRIOR APPLICATION NUMBER: US 08/330,123 PRIOR APPLICATION NUMBER: US 08/330,123 PRIOR APPLICATION NUMBER: US 08/320,102 PRIOR APPLICATION NUMBER: US 08/272,102 FILING DATE: 07-DUL-1994 ATTONNEY/AGENT INFORMATION: NUMBER: Granahan, Patricia
 ADDRESSEE: Hamilton, Brook, Smith & Reynolds, P.C. STREET: Two Militia Drive CITY: Lexington
 APPLICANT: Antion, Ariel A.
APPLICANT: Avilion, Ariel A.
APPLICANT: Feng, Junli
APPLICANT: Funk, Walter
APPLICANT: Greider, Carol
APPLICANT: Marhuenda, Maria A. B.
APPLICANT: Willeponteau, Bryant
ATTLE OF INVENTION: RNA COMPONENT OF SEQUENCES: 42
CORRESPONDENCE ADDRESS:
CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/08/272,102
FILING DATE: 07-JUL-1994
CLLASSIFCATION: 435
ATTORNEY/AGENT INFORMATION:
NAME: Smith, William M
REGISTRATION NUMBER: 15389-000800
TELEPHONE: (415) 326-2400
TELEPHONE: (415) 326-2400
TELEPHONE: (415) 326-2422
INFORMATION FOR SEQ ID NO: 23:
SEQUENCE CHARACTERISTICS:
LENGTH: 26 base pairs
TYPE: nucleic acid
STRANDEDNESS: Single
 NAME: Granahan, Patricia
REGISTRATION NUMBER: 32,227
REFERNCE/DOCKET NUMBER: CSHL94-05A3
TELECOMMUNICATION INFORMATION:
TELEPHONE: 617-861-6240
 Sequence 19, Application US/08387524 GENERAL INFORMATION:
 1 GCTCTAGAATGAACGGTGG 19
 5 GCTCTAGAATGAACGGTGG 23
 TELEFAX: 617-861-9540
INFORMATION FOR SEQ ID NO: 19:
SEQUENCE CHARACTERISTICS:
 COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy
COMPUTER: IBM PC com
 ; TOPOLOGY: linear; MOLECULE TYPE: DNA US-08-272-102-23
 ß
 ZIP: 02173
 CITY: Le
STATE: M
COUNTRY:
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100.0%; Score 19; DB 8; Length 26; 100.0%; Pred. No. 0.67;
 Indels
 CURRENT APPLICATION DATA:

CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/08/482,115A
FILING DATE: 07-JUN-1995
CLASSIFICATION: 435
PRIOR APPLICATION DATA:

APPLICATION NUMBER: US 08/330,123
FILING APPLICATION DATA:

APPLICATION NUMBER: US 08/330,123
FILING APPLICATION DATA:

APPLICATION NUMBER: US 08/22,102
FILING DATE: 07-JUL-1994
ATTORNEY/AGENT INFORMATION:

NAME: SMILH, William M
REGISTRATION NUMBER: 30,23
REFERENCE/DOCKET NUMBER: 15389-000830
TELECOMMUNICATION INFORMATION:

TELECOMMUNICATION INFORMATION:

TELECOMMUNICATION NUMBER: 15389-000830
 Hamilton, Brook, Smith & Reynolds, P.C.
 MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
FILLING DATE: 29-AUG-1995
 APPLICANT: Marhuenda, Maria A. B. APPLICANT: Villeponteau, Bryant TITLE OF INVENTION: RNA COMPONENT OF TELOMERASE NUMBER OF SEQUENCES: 43
 Mismatches
 APPLICATION NUMBER: US 08/387,524
FILING DATE: 13-FEB-1995
PRIOR APPLICATION DATA:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
 Sequence 19, Application US/08520550
GENERAL INFORMATION:
 Andrews, William H. Avilion, Ariel A. Feng, Junli Funk, Walter
 s ecrcracaardaacecree 23
 ..
 (415) 326-2400
 STREET: Two Militia Drive CITY: Lexington
 TELEFAX: (415) 326-2422
INFORMATION FOR SEQ ID NO: SEQUENCE CHARACTERISTICS:
 Greider, Carol
 Query Match
Best Local Similarity 100.
Matches 19; Conservative
 26 base pairs
 nucleic acid
 CORRESPONDENCE ADDRESS:
 ZIP: 02173
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy of
 PRIOR APPLICATION DATA:
 linear
 FILING DATE: 2
CLASSIFICATION:
 STRANDEDNESS:
 TELEPHONE:
 ADDRESSEE:
 US-08-482-115A-23
 COUNTRY:
 STATE:
 g
 ;
0
 100.0%; Score 19; DB 8; Length 26; 100.0%; Pred. No. 0.67;
 OPERATING SYSTEM: PC_DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/472,802B
FILING DATE: 07-JUN-1995
CLASSIFICATION DATA:
APPLICATION DATA:
APPLICATION NUMBER: US 08/272,102
FILING DATE: 07-JUL-1994
PRIOR APPLICATION NUMBER: US 08/330,123
FILING DATE: 27-OCT-1994
ATTONENY/AGENT INFORMATION:
ANAMERICATION NUMBER: US 08/330,123
FILING DATE: 27-OCT-1994
ATTONENY/AGENT INFORMATION:
ANAMERICATION NUMBER: US 08/330,123
FILING DATE: 27-OCT-1994
ATTONENY/AGENT INFORMATION:
 ADDRESSEE: Townsend and Townsend and Crew LLP STREET: Two Embarcadero Center, Eighth Floor TTY: San Francisco STATE: California
 ADDRESSEE: Townsend and Townsend and Cres
STREET: Two Embarcadero Center, 8th Floor
CITY: San Francisco
CATATE: California
 0; Mismatches
 APPLICANT: Feng, Junii
APPLICANT: Andrews, William H.
TITLE OF INVENTION: Mammalian Telomerase
NUMBER OF SEQUENCES: 43
CORRESPONDENCE ADDRESS:
 NAME: Smith, William M.
REGISTRATION NUMBER: 30,233
REFERENCE/DOCKET NUMBER: 15389-000820
TELECOMUNICATION INFORMATION:
TELEPHONE: (415) 576-0200
 APPLICANT: VILLEPONTEAU, Bryant
APPLICANT: FENG, Junii
APPLICANT: FUNK, Walter
APPLICANT: ANDREWS, William H.
TITLE OF INVENTION: HUMAN TELOMERASE
NUMBER OF SEQUENCES: 34
CORRESPONDENCE ADDRESS
 Sequence 24, Application US/08472802B
GENERAL INFORMATION:
APPLICANT: Villeponteau, Bryant
 Sequence 23, Application US/08482115A GENERAL INFORMATION:
 COUNTRY: USA
ZIP: 94111-3834
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-D
SOFTWARE: PatentIn Release #1
 1 GCTCTAGAATGAACGGTGG 19
 TELEFAX: (415) 576-0300
INFORMATION FOR SEQ ID NO: SEQUENCE CHARACTERISTICS:
LENGTH: 26 base pairs
 Query Match
Best Local Similarity 100.0
Matches 19; Conservative
 TYPE: nucleic acid
STRANDEDNESS: single
 TOPOLOGY: linear MOLECULE TYPE: DNA
 ZIP: 94111
 US-08-472-802B-24
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Gaps

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APPLICATION NUMBER: US 08/330,123
FILING DATE: 27-OCT-1994
FROR APPLICATION DATA: 12-OCT-1994
APPLICATION NUMBER: US 08/272,102
APPLICATION NUMBER: US 08/272,102
APPLICATION NUMBER: US 07-JUL-1994
APPCAREY/AGENT INPORMATION:
NAME: Granahan, Patricia
REGISTRATION NUMBER: 32,227
REFERENCE/DOCKET NUMBER: CSHL94-05A3B
FELECOMOUNICATION INFORMATION:
TELEPHONE: 617-861-6240
TELEPHONE: 617-861-6240
TELEPHONE: G17-861-6240
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Search completed: June 23, 2003, 16:08:21 Job time : 1593.65 secs

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(OTASU) NNAJ8 39A9 SIHT

Perfect score:

Seguence:

OM nucleic

Run on:

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Word size :

Database

Searched:

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Sequence 7, Appli
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Sequence 117265,
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Sequence 11, App
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 Sequence 11,
 Sequence 8
Sequence 2,
 Sequence 2
 Andrews, William H. TITLE OF INVENTION: HUMAN TELOMERASE CATALYTIC SUBUNIT:
 Townsend and Crew LLP
Center, 8th Floor
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US-10-126-24
 THERAPEUTIC METHODS
 FILING DATE: «Unknown»
PPLICATION NUMBER: US 08/854,050
FILING DATE: 09-MAY-1997
APPLICATION NUMBER: US 08/851,843
 FILING DATE: 06-MAY-1997
APPLICATION NUMBER: US 08/846,017
FILING DATE: 25-APR-1997
APPLICATION NUMBER: US 08/844,419
FILING DATE: 18-APR-1997
 COUNTRY: United States of America ZIP: 94111
 ALIGNMENTS
 PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/912,951
 Sequence 312, Application US/10044692
Publication No. US20030096344A1
GENERAL INFORMATION:
APPLICANT: Cech, Thomas R.
Lingner, Joachim
Nakamura, Toru
Chapman, Karen B.
 COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
 CORRESPONDENCE ADDRESS:
ADDRESSEE: Townsend and
STREET: TWO Embarcadero
 Morin, Gregg B.
 CITY: San Francisco
 STATE: California
 Harley, Cal
 NUMBER OF SEQUENCES:
 US-10-044-692-312
 U
 Sequence 19, Appli
Sequence 3, Appli
 Sequence 31, Appl
Sequence 6862, Ap
Sequence 64498, A
 Sequence 312, App
Sequence 312, App
 Appl
 Sequence 13, Appl
 June 23, 2003, 06:41:29; Search time 152.681 Seconds (without alignments) 182.610 Million cell updates/sec
 Sequence 23, Ag
Sequence 118949,
 Sequence 1959,
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Sequence 676,
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Sequence 17,
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US-10-098-2638-64498
US-10-011-36-16
US-09-969-1959
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 US-09-952-522B-9
US-09-754-853A-676
US-10-245-813-2
US-10-098-263B-10750
US-10-098-263B-22667
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US-09-952-522B-19
US-09-844-006A-3
 US-09-765-873A-5
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 US-10-044-692-312
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 GenCore
Copyright (c) 1993
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Match Length
 Minimum DB seq length: 0 Maximum DB seq length: 50
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100.0
68.4
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Score

Result Š. 1122110

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Sequence 22667,

DIAGNOSTIC AND

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REGISTRATION NUMBER: 36,429
REFERENCE/DOCKET NUMBER: 015389-002600US
TELECOMUNICATION INFORMATION:
TELEPHONE: (415) 67777
 COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/057,351
 Townsend and Townsend and Crew LLP
 ADDRESSEE: Townsend and Townsend and Crew Lur
STREET: Two Embarcadero Center, Eighth Floor
CITY: San Francisco
STATE: California
 Sequence 23, Application US/09057351
; Patent No. US20010034439A1
; GENERAL INFORMATION:
APPLICANT: Villeponteau, Bryant
APPLICANT: Feng, Juni1
; APPLICANT: Funk, Walter
; APPLICANT: Funk, Walter
; TITLE OF INVENTION: Mammalian Telomerase
; UWMBER OF SEQUENCES: 42
; CORRESPONDENCE ADDRESS:
 015389-000821US
 SEQUENCE DESCRIPTION: SEQ ID NO: 312:
US-10-044-539-312
 APPLICATION NUMBER: US/09/057,351
FILING DATE: 08-APR-1994
CLASSIPTCATION: 435
PRIOR APPLICATION DATA:
APPLICATION DATA:
APPLICATION DATA:
FILING DATE: 07-UL-1994
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/330,123
FILING DATE: 27-OCT-1994
PRIOR APPLICATION NUMBER: US 08/472,802
FILING DATE: 07-UN-1995
ATTORNEY/AGENT: INFORMATION:
 TELEPHONE: (415) 576-0200
TELEFAR: (415) 576-0300
INFORMATION FOR SEQ ID NO: 312:
SEQUENCE CHARACTERISTICS:
 1 GCTCTAGAATGAACGGTGG 19
 LENGTH: 26 base pairs
 REGISTRATION NUMBER: 32,944
REFERENCE/DOCKET NUMBER: 01
TELECOMMUNICATION INFORMATION:
 STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: DNA
 (415) 576-0200
 TYPE: nucleic acid
 TELEFAX: (415) 576-0300 INFORMATION FOR SEQ ID NO:
 NAME: Storella, John R
REGISTRATION NUMBER: 3:
 Conservative
 SEQUENCE CHARACTERISTICS LENGTH: 26 base pairs
 Query Match
Best Local Similarity
Matches 19; Conserv
 COUNTRY: USA
ZIP: 94111-3834
 STRANDEDNESS:
 RESULT 3
US-09-057-351-23
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 Andrews, William H.
TITLE OF INVENTION: HUMAN TELOMERASE CATALYTIC SUBUNIT: DIAGNOSTIC AND
THERAPEUTIC METHODS
 ö
 COMPUTER READABLE FORM:

MEDLUM TYPE: Floppy disk

COMPUTER: IBM PC compatible

OPERATING SYSTEM: PC-DOS/MS-DOS

SOFTWARE: Patentin Release #1.0, Version #1.30

CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/10/044,539

FILING DATE: 11-Jan-2002

CLASSIFICATION 1435

PRIOR APPLICATION NUMBER: 08/912,951

FILING DATE: 09-MAY-1997

APPLICATION NUMBER: US 08/854,050

FILING DATE: 09-MAY-1997

APPLICATION NUMBER: US 08/851,843

FILING DATE: 08-MAY-1997

APPLICATION NUMBER: US 08/846,017

FILING DATE: 18-APPLICATION NUMBER: US 08/844,119

FILING DATE: 18-APPLICATION NUMBER: US 08/844,419

FILING DATE: 18-APPLICATION NUMBER: US 08/844,419
 Query Match 100.0%; Score 19; DB 9; Length 26; Best Local Similarity 100.0%; Pred. No. 0.021; Matches 19; Conservative 0; Mismatches 0; Indels
 CORRESPONDENCE ADDRESS:
ADDRESSEE: Townsend and Townsend and Crew LLP
STREET: Two Embarcadero Center, 8th Floor
 ATTORNEY/AGENT INFORMATION:
NAME: Apple, Randolph T.
REGISTRATION NUMBER: 36,429
REFERENCE/DOCKET NUMBER: 015389-002600US
TELECOMMUNICATION:
 APPLICATION NUMBER: US 08/724,643
 STATE: California
COUNTRY: United States of America
 TYPE: nucleic acid

STRANDEDNESS: single

TOPOLOGY: linear

MOLECULE TYPE: DNA

SEQUENCE DESCRIPTION: SEQ ID NO: 312:
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19-410-0410-04-05.

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20-410
 TELEPHONE: (415) 576-0200
TELEFAX: (415) 576-0300
 FILING DATE: 01-OCT-1996
 IGG 19
 TELEFAX: (415) 576-03(
INFORMATION FOR SEQ ID NO: 312:
SEQUENCE CHARACTERISTICS:
 LENGTH: 26 base pairs
 FILING DATE: 01-OCT-1
 CITY: San Francisco
 NUMBER OF SEQUENCES: 335
```

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Sequence 3, Application US/09844006A

Patent No. US20020083496A1

GENERAL INFORMATION:

APPLICANT: Wyatt, Sarah

APPLICANT: TSou, Pei-Lan

APPLICANT: Robertson, Dominique

APPLICANT: Robertson, Dominique

APPLICANT: Robertson, Dominique

TITLE OF INVENTION: TRANSGENIC PLANTS WITH INCREASES IN CALCIUM STORES

FILE REFERENCE: 5051.503

CURRENT FILING DATE: 2000-04-28

PRIOR APPLICATION NUMBER: 60/200,233

PRIOR FILING DATE: 2000-04-28

NUMBER OF SEQ ID NOS: 8

SEQ ID NO 3

SEQ ID NO 3
 Gaps
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 ö
 Query Match 68.4%; Score 13; DB 10; Length 28; Best Local Similarity 100.0%; Pred. No. 93; Matches 13; Conservative 0; Mismatches 0; Indels
 APPLICANT: Futreil, J. William
APPLICANT: Hedrick, Marc H.
APPLICANT: Benhaim, Prosper
APPLICANT: Lorent, Hermann Peter
APPLICANT: Zhu, Min
TITLE OF INVENTION: ADIPOSE-DERIVED STEM CELLS AND LATTICES
FILE REFERENCE: 30468-770511
CURRENT APPLICATION NUMBER: US/09/952,5228
CURRENT FILING DATE: 2001-09-10
 Length 26;
 Score 13; DB 9;
Pred. No. 94;
 NAME/KEY: misc feature
LOCATION: (1). [28)
OTHER INFORMATION: Synthetic Oligonucleotide.
 100.08; Prec. ... 0; Mismatches
 PRIOR PELICATION NUMBER: PCT/USO0/06232
PRIOR FILING DATE: 2000-03-10
PRIOR APPLICATION NUMBER: 60/123,711
PRIOR FILING DATE: 1999-03-10
PRIOR PELING DATE: 1999-10-29
PRIOR FILING DATE: 1999-10-29
NUMBER OF SEQ ID NOS: 58
SOFTWARE: Patentin Ver. 2.1
 ; Sequence 17, Application US/09952522B
; Publication No. US20030082152A1
; GENERAL INFORMATION:
 TYPE: DNA
ORGANISM: Artificial Sequence
 1 GCTCTAGAATGAA 13
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 1 GCTCTAGAATGAA 13
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 Query Match 68.4
Best Local Similarity 100.
Matches 13; Conservative
 APPLICANT: Katz, Adam J. APPLICANT: Llull, Ramon
 US-09-952-522B-19
 US-09-844-006A-3
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 TITLE OF INVENTION: ADIPOSE-DERIVED STEM CELLS AND LATTICES
FILE REFERENCE: 30448.77USI1
CURRENT APPLICATION NUMBER: US/09/952,522B
CURRENT FILING DATE: 2001-09-10
PRIOR APPLICATION NUMBER: PCT/US00/06232
PRIOR APPLICATION NUMBER: 60/123,711
PRIOR FILING DATE: 1999-03-10
PRIOR PILING DATE: 1999-03-10
PRIOR PILING DATE: 1999-10-29
NUMBER OF SEQ ID NOS: 58
SOFTWARE: PATENTIN VET: 2.1
 Query Match 100.0%; Score 19; DB 10; Length 26; Best Local Similarity 100.0%; Pred. No. 0.021; Matches 19; Conservative 0; Mismatches 0; Indels
 OTHER INFORMATION: Description of Artificial Sequence: Bone OTHER INFORMATION: sialoprotein forward primer
 APPLICANT: Mitchael
TITLE OF INVENTION: Human Microarray
FILE REFERENCE: 31181
CURRENT APPLICATION NUMBER: US/10/098,263B
CURRENT FILING DATE: 2003-01-08
PRIOR APPLICATION NUMBER: 00/276,759
PRIOR PILING DATE: 2001-03-16
NUMBER OF SEQ ID NOS: 131066
SOFTWARE: Microarray Probe Sequence Listing Generator V 1.1
SEQ ID NO 118949
 0; Indels
 Mismatches
 Sequence 118949, Application US/10098263B Publication No. US20030104410A1 GENERAL INFORMATION:
 Sequence 19, Application US/09952522B Publication No. US20030082152A1 GENERAL INFORMATION:
 APPLICANT: Katz, Adam J.
APPLICANT: Liuli, Ramon
APPLICANT: Futrell, J. William
APPLICANT: Hedrick, Marc H.
APPLICANT: Benhalm, Prosper
APPLICANT: Lorenz, Hermann Peter
APPLICANT: Zhu, Min
 5 GCTCTAGAATGAACGGTGG 23
 1 GCTCTAGAATGAACGGTGG 19
 68.4%;
 TYPE: DNA ORGANISM: Artificial Sequence
 Query Match 68.4
Best Local Similarity 100.
Matches 13; Conservative
 ORGANISM: Homo sapien
US-10-098-263B-118949
; TOPOLOGY: linear; MOLECULE TYPE: DNA US-09-057-351-23
 10-098-263B-118949/c
 SEQ ID NO 19
LENGTH: 26
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Query Match
Best Local Similarity
 US-10-098-263B-64498/c
 GENERAL INFORMATION:
 RESULT 11
US-10-011-366-16
 Matches
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 Gaps
 ; OTHER INFORMATION: Description of Artificial Sequence: PPAR gamma 1; OTHER INFORMATION: forward primer US-09-952-522B-31
 OTHER INFORMATION: Description of Artificial Sequence: Osteopontin; OTHER INFORMATION: forward primer US-09-952-522B-17
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0
 63.2%; Score 12; DB 9; Length 23; ilarity 100.0%; Pred. No. 3.8e+02; Conservative 0; Mismatches 0: Indels
 TLE OF INVENTION: ADIPOSE-DERIVED STEM CELLS AND LATTICES
 DB 9; Length 23
3.8e+02;
 Indels
 S-10-215-112-6862/c
Sequence 6862, Application US/10215112
Publication No. US20030082596A1
GENERAL INFORMATION:
GENERAL INFORMATION:
TAPLICANT: Michael Mittmann
TITLE OF INVENTION: Method of Genetic Analysis of Probes:
TITLE OF INVENTION: Test3
FILE REFRENCE: 3119
CURRENT APPLICATION NUMBER: US/10/215,112
CURRENT FILING DATE: 2002-08-08
 FILE REFERENCE: 30448.77USII
CURRENT APPLICATION NUMBER: US/09/952,522B
CURRENT FILING DATE: 2001-09-10
PRIOR APPLICATION NUMBER: PCT/USO0/06232
PRIOR FILING DATE: 2000-03-10
PRIOR FILING DATE: 1999-03-10
PRIOR FILING DATE: 1999-03-10
PRIOR FILING DATE: 1999-10-29
NUMBER OF SEQ ID NOS: 58
SOFTWARE: PATENTIN Ver: 2.1
 Query Match 63.2%; Score 12; DB Best Local Similarity 100.0%; Pred. No. 3.6 Matches 12; Conservative 0; Mismatches
 NUMBER OF SEQ ID NOS: 14936
SOFTWARE: FastSEQ for Windows Version 4.0
 Application US/09952522B
No. US20030082152A1
 Lorenz, Hermann Peter
Zhu, Min
 APPLICANT: Katz, Adam J.
APPLICANT: Liull, Ramon
APPLICANT: Futrell, J. William
APPLICANT: Hedrick, Marc H.
APPLICANT: Benhaim, Prosper
 TYPE: DNA
ORGANISM: Artificial Sequence
TYPE: DNA
ORGANISM: Artificial Sequence
FEATURE:
 1 GCTCTAGAATGA 12
 GCTCTAGAATGA 12
 Query Match
Best Local Similarity
Matches 12; Conserv
 SEQ ID NO 6862
 TENGTH: 25
 SEQ ID NO 31
LENGTH: 23
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Kink, John A.
TITLE OF INVENTION: IDENTIFICATION OF NEUTRALIZING EPITOPES
DISFACE
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0
 PRIOR APPLICATION NUMBER: 60/276,759
PRIOR FILING DATE: 2001-03-16
NUMBER OF SEQ ID NOS: 131066
SOFTWARE: MICROALRAY Probe Sequence Listing Generator V 1.1
SEQ ID NO 64498
LENGTH: 25
 Score 12; DB 9; Length 25;
Pred. No. 3.8e+02;
0; Mismatches 0; Indels
 Length 25;
 0; Indels
 COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
 CORRESPONDENCE ADDRESS:
ADDRESSEE: Medlen & Carroll
STREET: 220 Montgomery Street, Suite 2200
 APPLICATION NUMBER: US/10/011,366
FILING DATE: 16-No. US20030054493A1-2001
CLASSIFICATION: <Unknown>
 Score 12; DB 9; Lo
Pred. No. 3.8e+02;
0; Mismatches 0;
; TYPE: DNA
; ORGANISM: Artificial Sequence
; PEATURE:
; OTTER INFORMATION: Synthetic Oligonucleotide
US-10-215-112-6862
 PRIOR APPLICATION DATA:
APPLICATION NUMBER: US/08/957,310
 STATE: California
COUNTRY: United States of America
 APPLICANT: Mittman, Michael
TITLE OF INVENTION: Human Microarray
FILE REFERENCE: 3118.1
CURRENT APPLICATION NUBER: US/10/098,2638
CURRENT FILING DATE: 2003-01-08
 Sequence 64498, Application US/10098263B Publication No. US20030104410A1
 63.2%; Scc.
100.0%; Pre
0;
 Sequence 16, Application US/10011366
Publication No. US20030054493A1
 63.2%; Scc.
100.0%; Pre
 GENERAL INFORMATION:
APPLICANT: Williams, James A.
 CITY: San Francisco
 Query Match 63.2
Best Local Similarity 100.
Matches 12; Conservative
 NUMBER OF SEQUENCES:
 12; Conservative
 23 TCTAGAATGAAC 12
 3 TCTAGAATGAAC 14
 15 GCTCTAGAATGA 4
 ; ORGANISM: Homo sapien
US-10-098-263B-64498
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Gaps
 Convertase Transformed Cells and
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 APPLICANT: Tang, Xiao-Song
TITLE OF INVENTION: BIODRODUCTION OF PARA-HYDROXYCINNAMIC ACID
FILE REPERENCE: BC1009 US CIP
CURRENT APPLICATION NUMBER: US/09/765,873A
CURRENT FILING DATE: 2001-01-19
PRIOR APPLICATION NUMBER: US 09/627,216
PRIOR PILING DATE: 2000-07-27
PRIOR PILING DATE: 1999-08-06
 Length 21;
 Indels
 ZIP: 94080
COMPUTER READABLE FORM:
MEDIUM TYPER 3.5 inch, 1.44 Mb floppy disk
COMPUTER: 1BM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: WinPatin (Genentech)
 Score 11; DB 9; L
Pred. No. 1.6e+03;
 APPLICATION NUMBER: 07/887265
FILING DATE: 22-MAY-1992
APPLICATION NUMBER: 07/803631
FILING DATE: 06-DEC-1992
APPLICATION NUMBER: PCT/US92/10621
FILING DATE: 04-DEC-1992
ATTORNEY/AGENT INFORMATION:
 CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/997,868
FILING DATE: 12-Mar-2002
CLASSIFICATION: unknown>
 Mismatches
 TOPOLOGY: Linear SEQUENCE DESCRIPTION: SEQ ID NO: 13: US-09-997-868-13
 NAME: Love, Richard B.
REGISTRATION NUMBER: 34,659
REFERENCE/DOCKET NUMBER: PO
 NUMBER OF SEQUENCES: 57
CORRESPONDENCE ADDRESS:
ADDRESSEE: Genentech, Inc.
APPLICANT: Gorman, Cornelia M.
 TITLE OF INVENTION: Prohormone
 Francisco
 TELECOMMUNICATION INFORMATION:
 ; Sequence 5, Application US/09765873A; Patent No. US20010053847A1; GENERAL INFORMATION:
 Query Match 57.9%; Sc
Best Local Similarity 100.0%; P
Matches 11; Conservative 0;
 INFORMATION FOR SEQ ID NO: 13
 SEQUENCE CHARACTERISTICS
 PRIOR APPLICATION DATA:
 NUMBER OF SEQ ID NOS: 38
SOFTWARE: Microsoft Office 97
SEQ ID NO
EBNOTH: 22
 CITY: South San Fr
STATE: California
COUNTRY: USA
 1 GCTCTAGAATG 11
 11 GCTCTAGAATG 1
 TELEFAX:
 ORGANISM: primer
 US-09-765-873A-5
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 Gaps
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0
 GENERAL INFOGRATION:
APPLICANT: Efferts.
TITLE OF INVENTION: SOCHEAN SSRs and Methods of Genotyping
TITLE OF INVENTION: SOCHEAN SSRs and Methods of Genotyping
FILE REFERENCE: 38-10(52679)A
CURRENT APPLICATION NUMBER: US/09/969,373
CURRENT FILING DATE: 2001-10-05
PRIOR FILING DATE: 2001-01-05
PRIOR APPLICATION NUMBER: US 09/754,853
PRIOR APPLICATION NUMBER: US 09/760,427
PRIOR FILING DATE: 2001-01-13
 Length 17;
 63.2%; Score 12; DB 9; Length 26; 100.0%; Pred. No. 3.8e+02; Live 0; Mismatches 0; Indele
 Indels
 Score 11; DB 10; I
Pred. No. 1.6e+03;
 FILING DATE: 24-OCT-1994
APPLICATION NUMBER: US 08/161,907
FILING DATE: 02-DEC-1993
APPLICATION NUMBER: US 07/985,321
FILING DATE: 04-DEC-1992
APPLICATION NUMBER: US 07/429,791
FILING DATE: 31-OCT-1989
ATTORNEY/AGENT INFORMATION:
 REFERENCE/DOCKET NUMBER: OPHD-01121
TELECOMMUICATION:
TELEPHONE: (415) 705-8410
TELEPAX: (415) 397-8338
 0; Mismatches
 TOPOLOGY: linear

MOLECULE TYPE: DNA (genomic)

SEQUENCE DESCRIPTION: SEQ ID NO: 16:
US-10-011-366-16
 NAME: Ingolia, Diane E. REGISTRATION NUMBER: 40,027
 Sequence 1959, Application US/09969373
Patent No. US20020133852A1
GENERAL INFORMATION:
 ; Sequence 13, Application US/09997868
; Publication No. US20030031654A1
; GENERAL INFORMATION:
 SEQUENCE CHARACTERISTICS:
LENGTH: 26 base pairs
 TYPE: nucleic acid
STRANDEDNESS: single
 57.9%;
100.0%;
 INFORMATION FOR SEQ ID NO: 16:
 Query Match 63.2
Best Local Similarity 100.
Matches 12; Conservative
 Query Match
Best Local Similarity 100.
Matches 11, Conservative
 1 GCTCTAGAATGA 12
 ; TYPE: DNA
; ORGANISM: Glycine max
US-09-969-373-1959
 US-09-997-868-13/c
 SEQ ID NO 1959
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US-09-765-873A-5

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 Score 11; DB 10; Length 22;
 TITLE OF INVENTION: ADIPOSE-DERIVED STEM CELLS AND LATTICES TILE REFERENCE: 30448,770S11
CURRENT APPLICATION NUMBER: 2001-09-10
PRIOR APPLICATION NUMBER: PCT/US00/06232
 Query Match
Best Local Similarity 100.0%; Pred. No. 1.6e+03;
Matches 11; Conservative 0; Mismatches 0; Indels
 Sequence 9, Application US/09952522B Publication No. US20030082152A1 GENERAL INFORMATION:
 APPLICANT: Katz, Adam J.
APPLICANT: Liull, Ramon
APPLICANT: Furrell, J. William
APPLICANT: Hedrick, Marc H.
APPLICANT: Benhaim, Prosper
APPLICANT: Lorenz, Hermann Peter
APPLICANT: Zhu, Min
Query Match
Best Local Similarity 100
Matches 11; Conservative
 1 GCTCTAGAATG 11
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Search completed: June 23, 2003, 20:01:32 Job time : 152.681 secs

1 GCTCTAGAATG 11

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Sequence:

Run on:

Searched:

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Appl
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 Gaps
 Sequence 9, Application US/08770565
; Sequence 9, Application US/08770565
; Patent No. 5846723
; GENERAL INPORMATION:
; APPLICANT: Kim, Nam Woo
; APPLICANT: Kealey, James T.
APPLICANT: Pruzan, Ronald
; APPLICANT: Pruzan, Ronald
; APPLICANT: Pruzan, Ronald
; TITLE OF INVENTION: Methods for Detecting the RNA Component of
; TITLE OF INVENTION: Telomerase
; NUMBER OF SEQUENCES: 26
; CORRESPONDENCE ADDRESS:
ADDRESSEE: TOWNSEND and TOWNSEND
CITW.
 Sequence 1
Sequence 1
Sequence 5
 Sequence
Sequence
Sequence
Sequence
Sequence
Sequence
 Sequence
Sequence
Sequence
 Sequence
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 100.0%; Score 19; DB 2; Length 19; 100.0%; Pred. No. 0.0099; ive 0; Mismatches 0; Indels
 COUNTRY: Usa

ZIP: 9411-1934

ZIP: 9411-1934

COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC Compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.30

CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/770,565
FILING DATE: 20-DEC-1996
CLASSIFICATION: 435
ATTORNEY/AGENT INFORMATION:
NAME: Storella, John R.
REFERENCE/DOCKET NUMBER: 015389-002300US
TELECOMMUNICATION INFORMATION:
TELEPHONE: 415-576-0300
INFORMATION FOR SEQ ID NO: 9:
SEQUENCE CHARACTERISTICS:
LENGTH: 19 base pairs
 SSEE: TOWNSEND and TOWNSEND and CREW LLP
F: Two Embarcadero Center, 8th Floor
San Francisco
California
US-08-630-172-22
US-09-375-419-22
US-08-776-55-11
US-08-026-143B-13
PCT-US92-10621-13
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US-09-67-216A-5
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US-08-91-492-17
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US-08-91-196-17
US-08-91-196-14
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Best Local Similarity 100.0
Matches 19; Conservative
 TYPE: nucleic acid
STRANDEDNESS: single
 TOPOLOGY: linear MOLECULE TYPE: DNA
 US-08-770-565-9
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 Sequence 9,
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 Sequence 2
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Sequence 1
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 GenCore version 5.1.6
Copyright (c) 1993 - 2003 Compugen Ltd.
 S-08-520-550A-19
S-08-998-443-23
S-08-974-549A-598
S-09-060-523-23
S-09-220-157A-26
 -08-660-678A-23
 Total number of hits satisfying chosen parameters:
 -08-710-249-26
-08-485-778-19
 PCT-US94-02107-3
 441362 segs, 153338381 residues
 Post-processing: Listing first 45 summaries
 nucleic search, using sw model
 OLIGO_NUC
Gapop_60.0 , Gapext 60.0
 1 GCTCTAGAATGAACGGTGG 19
 US-08-770-564A-9
19
 Query
Match Length
 Minimum DB seq length: 0 Maximum DB seq length: 50
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Perfect score:
 Scoring table:
 Word size :
 OM nucleic
 Database :
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Result No.

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100.0%; Score 19; DB 1; Length 26; 100.0%; Pred. No. 0.0096; ive 0; Mismatches 0; Indels
 ADDRESSE: Townsend and Townsend and Crew LLP STREET: Two Embarcadero Center, Eighth Floor CITY: California Contror: USA CONTRY: USA COMPUTER READABLE FORM: WEADABLE FORM: MEDIUM TYPE: Floppy disk COMPUTER: Patentin Release #1.0, Version #1.30 SOFTWARE: Patentin Release #1.0, Version #1.30 CURRENT APPLICATION NUMBER: US/08/660,678A FILING DATE: OS-JUN-1996
 COMPUTER READABLE FORM:

MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/482,115B
FILING DATE: 07-JUN-1995
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/22,102
FILING DATE: 07-JUL-1994
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/330,123
FILING DATE: 27-OCT-1994
ATTORNEY AGENT INFORMATION:
NAME: SLOCFILA, JOHN R.
REGISTRATION NUMBER: 32,944
REFERENCE/DOCKET NUMBER: 015389-000830US
TELLECOMMUNICATION INFORMATION:
MATERIAL OF ACT O
Two Embarcadero Center, Eighth Floor
 Sequence 23, Application US/08660678A
Patent No. 5837857
GENERAL INFORMATION:
APPLICANT: Villeponteau, Bryant
APPLICANT: Feng, Junil
APPLICANT: Funk, Walter
TITLE OF INVENTION: Mammalian Telomerase
TITLE OF INVENTION: Mammalian Telomerase
NUMBER OF SEQUENCES: 30
CORRESPONDENCE ADDRESS:
ADDRESSEE: Townsend and Crew
 1. GCTCTAGAATGAACGGTGG 19
 (415) 576-0200
 TELEFAX: (415) 576-0300 INFORMATION FOR SEQ ID NO: SEQUENCE CHARACTERISTICS: LENGTH: 26 base pairs
 Query Match 100.
Best Local Similarity 100.
Matches 19; Conservative
 nucleic acid
EDNESS: single
 San Francisco
California
 , MOLECULE TYPE: DNA
US-08-482-115B-23
 linear
 FILING DATE: 05
CLASSIFICATION:
 TELEPHONE:
 RESULT 4
US-08-660-678A-23
 à
 Sequence 23, Application US/08482115B

Patent No. 5776679

GENERAL INFORMATION:

APPLICANT: Villeponteau, Bryant
APPLICANT: Funk, Walter
APPLICANT: Funk, Walter
APPLICANT: Andrews, William H.

ITTLE OF INVENTION: Assays for the RNA Component of Human
TITLE OF INVENTION: Telomerase
NUMBER OF SEQUENCES: 40

CORRESPONDECE ADDRESS:
ADDRESSEE: Townsend and Townsend and Crew LLP
 100.0%; Score 19; DB 1; Length 26; 100.0%; Pred. No. 0.0096;
 CURRENT APPLICATION DATA:

SOFTWARE: Patentin Release #1.0, Version #1.25

CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/08/330,123A

FILING DATE: 27-0CT-1994

CLASSIFICATION: 435

PRIOR APPLICATION DATA:

APPLICATION NUMBER: US 08/272,102

FILING DATE: 07-JUL-1994

ATTORNEY/AGENT INFORMATION:

NAME: Smith, William M

REGISTRATION NUMBER: 30,223

REFERENCE/DOCKET NUMBER: 15389-000810

TELECOMMUNICATION INFORMATION:
 Mismatches
 APPLICANT: VILLEPONTEAU, Bryant
APPLICANT: FENG, Junii
APPLICANT: FUNK, Walter
APPLICANT: ANDREWS, William H.
TITLE OF INVENTION: HUMAN TELOMERASE
CORRESPONDENCE APPLICANT:
ADDRESSEE: TOWNSENG and Townsend Khou
 COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
 Sequence 23, Application US/08330123A Patent No. 5583016 GENERAL INFORMATION:
 ;
0
 1 GCTCTAGAATGAACGGTGG 19
 1 GCTCTAGAATGAACGGTGG 19
 (415) 326-2400
 TELEFAX: (415) 326-2422
INFORMATION FOR SEQ ID NO: SEQUENCE CHARACTERISTICS:
 Query Match
Best Local Similarity 100.
Matches 19; Conservative
 LENGTH: 26 base pairs
 TYPE: nucleic acid
STRANDEDNESS: single
 MOLECULE TYPE: DNA
 TELEPHONE:
 US-08-330-123A-23
 US-08-482-115B-23
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Gaps

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 ö
 Query Match 100.0%; Score 19; DB 2; Length 26; Best Local Similarity 100.0%; Pred. No. 0.0096; Matches 19; Conservative 0; Mismatches 0; Indels
 Length 26;
 ADDRESSEE: Hamilton, Brook, Smith & Reynolds, P.C.
STREET: Two Militia Drive
 MEDIUM TYPE: Ploppy disk
COMPUTER: IBM PC Compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.30
CURRENT APPLICATION NUMBER: US/08/485,778
FILING DATE: 07-JE-1995
 APPLICANT: Villeponteau, Bryant
TITLE OF INVENTION: RNA COMPONENT OF TELOMERASE
NUMBER OF SEQUENCES: 45
CORRESPONDENCE ADDRESS:
 100.0%; Score 19; DB 2;
100.0%; Pred. No. 0.0096;
tive 0; Mismatches 0
 Greider, Carol
Marhuenda, Maria Antonia Blasco
 PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/387,524
FILING DATE: 13-FEB-1995
FILING APPLICATION DATA:
APPLICATION NUMBER: US 08/330,123
FILING DATE: 27-OCT-1994
PRIOR APPLICATION NUMBER: US 08/272,102
FILING DATE: 07-UL-1994
ATTORNEY/AGENT INFORMATION:
 Andrews, William H.
Avilion, Ariel Athena
Feng, Junli
Funk, Walter
 Sequence 19, Application US/08485778
Patent No. 5876979
GENERAL INFORMATION:
APPLICANT: Andrews, William H.
 1 GCTCTAGAATGAACGGTGG 19
 ATJORNEI/ANDER
NAME: Grandhan, Patricia
REGISTRATION NUMBER: 32,227
REFERENCE/DOCKET NUMBER: CSI
TELECOMMUNICATION INFORMATION:
TELEPHONE: 617-861-6240
 nucleic acid
DEDNESS: single
OGY: linear
 Conservative
 ZIP: 02173
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy
 TYPE: nucleic acid
STRANDEDNESS: sing
 ; MOLECULE TYPE: DNA US-08-710-249-26
 linear
 Query Match
Best Local Similarity
Matches 19; Conserv
 CITY: Lexington STATE: MA
 STRANDEDNESS
 APPLICANT:
APPLICANT:
APPLICANT:
 RESULT 6
US-08-485-778-19
 ;
US-08-485-778-19
 COUNTRY:
 윱
 S
 APPLICANT: Villeponteau, Bryant
APPLICANT: Feng, Junli
APPLICANT: Andrews, William H.
APPLICANT: Adams, Robert R.
TITLE OF INVENTION: Methods and Reagents for Regulating
TITLE OF INVENTION: Telomere Length and Telomerase Activity
 Query Match 100.0%; Score 19; DB 2; Length 26; Best Local Similarity 100.0%; Pred. No. 0.0096; Matches 19; Conservative 0; Mismatches 0; Indels
 SOFTWARE: Patentin Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/710,249
FILING DATE: 13-SEP-1996
CLASSIFICATION: 536
 NUMBER OF SEQUENCES: 26
CORRESPONDENCE ADDRESS:
ADDRESSES: Townsend and Townsend and Crew LLP
STREET: Two Enbarcadero Center, Eighth Floor
CITY: San Francisco
STATE: California
 PRIOR APPLICATION 1536
PRIOR APPLICATION DATA
APPLICATION NUMBER: US 08/583,808
FILING DATE: 05-JAN-1996
PRIOR DATE: 05-JAN-1996
PRIOR DATE: 06-SEP-1995
APPLICATION NUMBER: US 60/003,492
ATORNEY/AGENT INFORMATION:
NAME: Storella, John R.
REGISTRATION NUMBER: 32,944
REFERENCE/DOCKET NUMBER: 015389-001220US
TELECOMMUNICATION INFORMATION:
TELECOMMUNICATION INFORMATION:
 PATON AT PARTICULAR DATE:

PILING DATE:

PILING DATE:

PILING DATE:

PATONENEY/AGENT INFORMATION:

NAME:

REGISTRATION NUMBER: 32,944

REGISTRATION NUMBER: 32,944

REPERENCE/COKET NUMBER: 015389-000811US

TELEPHONE: (415) 576-0200

TELEPACOMMUNICATION INFORMATION:

TELEPACOMMUNICATION FOR SEQ ID NO: 23:

SEQUENCE CHARACTERISTICS:

LENGTH: 26 base pairs
APPLICATION NUMBER: US 08/330,123
FILING DATE: 27-OCT-1994
 MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
 US-08-710-249-26
; Sequence 26, Application US/08710249
; Patent No. 588-8777
; GENERAL INFORMATION:
 TELEPHONE: (415) 576-0200
TELEFAX: (415) 576-0300
INFORMATION FOR SEQ ID NO: 26
SEQUENCE CHARACTERISTICS:
 PRIOR APPLICATION DATA:
APPLICATION NUMBER: 1
 LENGTH: 26 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
 COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy
 ; TOPOLOGY: linear; MOLECULE TYPE: DNA US-08-660-678A-23
 COUNTRY: USA
ZIP: 94111-3834
 셤
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```
100.0%; Score 19; DB 3; Length 26; llarity 100.0%; Pred. No. 0.0096; Conservative 0; Mismatches 0; Indels
 APPLICANT: Villeponteau, Bryant
TITLE OF INVENTION: RNA Component of Telomerase
NUMBER OF SEQUENCES: 47
CORRESPONDENCE ADDRESS:
ADDRESSEB: Hamilton, Brook, Smith & Reynolds, P.C.
STREET: Two Militia Drive
CITY: Lexington
STATE: MA
 CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/520,550A
FILING DATE: 29-40G-1995
CLASSIFICATION 1435
PRIOR APPLICATION DATA:
APPLICATION WIMBER: US/08/520,550A
FILING DATE: 13-FEB-1995
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US/08/387,524
FILING DATE: 13-FEB-1995
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US/08/380,123
FILING DATE: 27-OCT-1994
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US/08/380,123
FILING DATE: 07-OCT-1994
ATTORNEY/AGBNT INFORMATION:
NAME: Granahan, Patricia
 APPLICANT: Willeponteau, Bryant
APPLICANT: Feng, Junii
APPLICANT: Feng, Junii
APPLICANT: Feng, Junii
APPLICANT: Andrews, William H.
TITLE OF INVENTION: Mammalian Telomerase
NUMBER OF SEQUENCES: 30
CORRESPONDENCE ADDRESS:
ADDRESSEE: Townsend and Townsend and Crew LLP
STREET: Two Embarcadero Center, Bighth Floor
CITY: San Francisco
STATE: California
 NAME: Granahan, Parricia
REGISTRATION NUMBER: 32,227
REFERENCE/DOCKET NUMBER: CSHL94-05A3B
TELECOMUNICATION INFORMATION:
TELEPHONE: 617-861-6240
 COMPUTER: IBM PC COMPATIBLE
OPERATING SYSTEM: PC-DOS/MS-DOS
 US-08-998-443-23
; Sequence 23, Application US/08998443
Sequence 23, Application US/08998443
; Patent No. 6054575
; GENERAL INFORMATION:
 1 GCTCTAGAATGAACGGTGG 19
 ZIP: 94111-3834
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
 TELEFAX: 617-861-9540
INFORMATION FOR SEQ ID NO:
SEQUENCE CHARACTERISTICS:
LENGTH: 26 base pairs
 TYPE: nucleic acid
STRANDEDNESS: single
 COUNTRY: US
ZIP: 02173
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy
 linear
 Query Match
Best Local Similarity
Matches 19; Conserv
 ; TOPOLOGY:
US-08-520-550A-19
 STATE: CE
APPLICANT:
 RESULT 9
 a
 0
 Query Match
Best Local Similarity 100.0%; Pred. No. 0.0096;
Matches 19; Conservative 0; Mismatches 0; Indels
 CUMUNIENT CALIFORNIA

ZIP: 94111-3834

COMPUTER READABLE FORM:
MEDIUW TYPE: Flopy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PATENTIAN DATA:
APPLICATION NUMBER: US/08/472,802C
FILING DATE: 07-JUN-1995
CLASSIFICATION NUMBER: US/08/472,02C
FILING DATE: 07-JUN-1995
CLASSIFICATION NUMBER: US 08/272,102
FILING DATE: 07-JUL-1994
PRIOR APPLICATION NUMBER: US 08/330,123
FILING DATE: 27-OCT-1994
ATTORNEY/AGENT INFORMATION:
NAME: Smith, William M.
REFERENCE/DOCKET NUMBER: 15389-000820
TELECOMMUNICATION INFORMATION:
 ADDRESSEE: Townsend and Townsend and Crew LLI
STREET: Two Embarcadero Center, Eighth Floor
TY: San Faracisco
STATE: California
 Sequence 24, Application US/08472802C
Patent No. 5558680
GENERAL INFORMATION:
PAPLICANT: Villeponteau, Bryant
APPLICANT: Feng, Junil
APPLICANT: Andrews, William H.
TITLE OF INVENTION: Mammalian Telomerase
NUMBER OF SEQUENCES: 4
CORRESPONDENCE ADDRESS:
 Sequence 19, Application US/08520550A Patent No. 6013468 GENERAL INFORMATION:
 Andrews, William H. Avilion, Ariel A.
 TELEFAX: (415) 576-0300 INFORMATION FOR SEQ ID NO: 2 SEQUENCE CHARACTERISTICS: LENGTH: 26 base pairs
 Feng, Junli
Funk, Walter
Greider, Carol
 TYPE: nucleic acid
STRANDEDNESS: single
 ; TOPOLOGY: linear; MOLECULE TYPE: DNA US-08-472-802C-24
 US-08-520-550A-19
 US-08-472-802C-24
 RESULT 8
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100.0%; Score 19; DB 4; Length 26; 100.0%; Pred. No. 0.0096;
 0; Indels
 Sequence 23, Application US/09060523
Patent No. 6228535
GENERAL INFORMATION:
APPLICANT: Villeponteau, Bryant
APPLICANT: Funk, Walter
APPLICANT: Andrews, William H.
TITLE OF INVENTION: Mammalian Telomerase
NUMBER OF SEQUENCES: 25
CORRESPONDENCE ADDRESS:
ADDRESSEE: Townsend and Crew LLP
STREET: Two Embarcadero Center, Eighth Floor
 PFILING DATE: 18-74K-1597
PFILING DATE: 18-74K-1597
PRIOR APPLICATION DATA: 18-74K-1597
FILING DATE: 25-APR-1997
PRIOR APPLICATION NUMBER: US 08/851,843
FILING DATE: 06-MAY-1997
PRIOR APPLICATION DATA: US 08/851,843
PRIOR APPLICATION DATA: US 08/851,843
PRIOR APPLICATION DATA: US 08/911,312
FILING DATE: 14-AUG-1997
PRIOR APPLICATION DATA: US 08/912,951
FILING DATE: 14-AUG-1997
PRIOR APPLICATION DATA: APPLICATION NUMBER: US 08/915,503
FILING DATE: 14-AUG-1997
PRIOR APPLICATION DATA: APPLICATION NUMBER: US 08/915,503
FILING DATE: 11-AUG-1997
PRIOR APPLICATION NUMBER: WO PCT/US97/17618
FILING DATE: 01-OCT-1997
APPLICATION NUMBER: WO PCT/US97/17618
FILING DATE: 01-OCT-1997
APPLICATION NUMBER: WO PCT/US97/17618
FILING DATE: 101-OCT-1997
APPLICATION NUMBER: WO PCT/US97/17685
FILING DATE: IN-AUG-1997
APPLICATION NUMBER: WO PCT/US97/17618
FILING DATE: IN-AUG-1997
ATPLICATION NUMBER: WO PCT/US97/17618
 015389-002610US
 Mismatches
 /note= "R3c primer"
 1 GCTCTAGAATGAACGGTGG 19
 ö
 NAME: Apple, Randolph Ted
REGISTRATION NUMBER: 36,429
REFERENCE/DOCKET NUMBER: 015
 TELECOMMUNICATION INFORMATION:
TELEPHONE: (415) 576-0200
TELEPAX: (415) 576-0300
INFORMATION FOR SEQ ID NO: 598:
SEQUENCE CHARACTERISTICS:
 18-APR-1997
 Query Match
Best Local Similarity 100.0
 LENGTH: 26 base pairs
 TYPE: nucleic acid
STRANDEDNESS: single
 San Francisco
California
 ; LOCATION: 1..26
; OTHER INFORMATION:
US-08-974-549A-598
 TOPOLOGY: linear MOLECULE TYPE: DNA
 NAME/KEY: -
 CITY: Sar
STATE: Ca
COUNTRY:
 US-09-060-523-23
 RESULT 11
 ઠે
 g
 ö
 Gaps
 ö
 APPLICANT: Chapman, Nate...
APPLICANT: Morin, Gregg B.
APPLICANT: Harley, Calvin B.
APPLICANT: Andrews, William H.
TITLE OF INVENTION: Human Telomerase Catalytic Subunit
NUMBER OF SEQUENCES: 727
CORRESPONDENCE ADDRESS:
ADDRESSEE: Townsend and Townsend and Crew LLP
STREET: Two Embarcadero Center, Eighth Floor
CITY: San Francisco
STATE: California
COUNTRY: USA
 Query Match 100.0%; Score 19; DB 3; Length 26; Best Local Similarity 100.0%; Pred. No. 0.0096; Matches 19; Conservative 0; Mismatches 0; Indels
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.30
 SOFTWARE: Patentin Release #1.0, Version #1.30 CUBRENT APPLICATION DATA:
PLILOATION NUMBER: US/08/974,549A
FILING DATE: 19-NOV-1997
 FILING DATE:
PRIOR APPLICATION:
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US/08/660,678
FILING DATE: 05-UDN-1996
PRIOR APPLICATION NUMBER: US 08/330,123
FILING DATE: 27-COT-1994
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/272,102
FILING DATE: 07-ULI-1994
ATTORNEY/AGENT INFORMATION:
NAMME: SECREILA, JOHN R.
REGISTRATION NUMBER: 32,944
RECISTRATION NUMBER: 32,944
RECOMMUNICATION INFORMATION:
TELEPHONE: (415) 576-0300
INFORMATION FOR SEQ ID NO: 23:
SEQUENCE CHARACTERISTICS:
LENGTH: 26 base pairs
 PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/724,643
FILING DATE: 01-OCT-1996
 CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/998,443
 Sequence 599, Application US/08974549A
Patent No. 6166178
GENERAL INFORMATION:
 COUNTRY: USA
ZIP: 94111-3834
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
 1 GCTCTAGAATGAACGGTGG 19
 T: Cech, Thomas R.
T: Lingner, Joachim
T: Nakamura, Toru
T: Chapman, Karen B.
 LENGTH: 26 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
 linear
 MOLECULE TYPE: DNA
 US-08-974-549A-598
 US-08-998-443-23
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0; Gaps

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Gaps
 100.0%; Score 19; DB 4; Length 26; 100.0%; Pred. No. 0.0096; ive 0; Mismatches 0; Indels
 100.0%; Score 19; DB 4; Length 26; 100.0%; Pred. No. 0.0096;
 US-09-266-959B-4

| Sequence 4, Application US/09286959B
| Patent No. 6300131
| GENERAL INFORMATION:
| APPLICANT: Johns Hopkins University
| APPLICANT: Johns Hopkins University
| APPLICANT: Le. Siyuan
| TITLE OF INVENTION: TELOMERASE-ASSOCIATED PROTEINS
| FILE REFERENCE: 07265/157001
| CURRENT FILING DATE: 1999-04-06
| PRIOR APPLICATION NUMBER: 60/080,783
| PRIOR RILING DATE: 1998-04-06
| NUMBER OF SEQ ID NOS: 24
| SOFTWARE: FastSEQ for Windows Version 4.0
| SEQ ID NO 4
| LENGTH: 26
 FILING DATE: 13-SEP-1996
APPLICATION NUMBER: US 08/583,808
FILING DATE: 05-0AN-1996
PRILING DATE: 05-0AN-1996
PRILING DATE: 08-SEP-1995
ATTORNEY AGENT INFORMATION:
NAME: Storella, John R.
REFERNCE/DOCKET NUMBER: 32,944
REGISTRATION NUMBER: 32,944
REGISTRATION NUMBER: 32,944
RECOMMUNICATION INFORMATION:
TELEPHONE: (415) 576-0200
INFORMATION FOR SEQ ID NO: 26:
SEQUENCE CHARACTERISTICS:
LENGTH: 26 base pairs
 APPLICANT: VILLEPONTEAU, Bryant
 Sequence 23, Application US/09580517
Patent No. 6320039
GENERAL INFORMATION:
 Query Match 100.0%; S
Best Local Similarity 100.0%; P
Matches 19; Conservative 0;
 1 GCTCTAGAATGAACGGTGG 19
 1 GCTCTAGAATGAACGGTGG 19
 GCTCTAGAATGAACGGTGG 23
 TYPE: DNA ORGANISM: Artificial Sequence
 FENG, Junli
FUNK, Walter
 Query Match
Best Local Similarity 100.º
Matches 19; Conservative
 , OTHER INFORMATION: Primer US-09-286-959B-4
 TYPE: nucleic acid
STRANDEDNESS: single
 ; MOLECULE TYPE: DNA
US-09-220-157A-26
 linear
 TOPOLOGY:
 RESULT 14
US-09-580-517-23
 ð
 엄
 ò
 APPLICANT: Villeponteau, Bryant
APPLICANT: Feng, Juni
APPLICANT: Andrews, William H.
APPLICANT: Adams, Robert R.
TITLE OF INVENTION: Methods and Reagents for Regulating
TITLE OF INVENTION: Telomere Length and Telomerase Activity
 100.0%; Score 19; DB 4; Length 26; 100.0%; Pred. No. 0.0096;
 COMPUTER: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
FILING DATE:
CLASSIFICATION:
PRIOR APPLICATION:
 COMPUTER: TAILLY 9537
COMPUTER: TAILLY 9537
COMPUTER: PALABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/060,523
FILING DATE: 14-APR-1998
CLLASSIFICATION: 536
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/660,678
FILING DATE: 05-JUN-1996
PRIOR APPLICATION NUMBER: US 08/330,123
FILING DATE: 27-OCT-1994
PRIOR APPLICATION NUMBER: US 08/272,102
FILING DATE: 07-JUL-1994
APPLICATION NUMBER: US 08/272,102
FILING DATE: 07-JUL-1994
APPLICATION NUMBER: 32,944
REFERENCE/DOCKET NUMBER: 32,944
REFERENCE/DOCKET NUMBER: 32,940
TELEPHONE: (415) 576-0200
 NUMBER OF SEQUENCES: 26
CORRESPONDENCE ADDRESS:
ADDRESSEE: Townsend and Townsend and Crew LLP
STREET: Two Embarcadero Center, Eighth Floor
CITY: San Francisco
STATE: California
 0; Mismatches
 Sequence 26, Application US/09220157A Patent No. 6300110 GENERAL INFORMATION:
 1 GCTCTAGAATGAACGGTGG 19
 TELEFAX: (415) 576-0300
INFORMATION FOR SEQ ID NO: SEQUENCE CHARACTERISTICS:
 Query Match
Best Local Similarity 100.
Matches 19, Conservative
 COUNTRY: USA
ZIP: 94111-3834
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy d:
 26 base pairs
 TYPE: nucleic acid
STRANDEDNESS: single
 TOPOLOGY: linear MOLECULE TYPE: DNA
94111-3834
 US-09-220-157A-26
 US-09-060-523-23
 ð
```

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Search completed: June 23, 2003, 10:17:07 Job time: 30.749 secs
 1 GCTCTAGAATGAACGGTGG 19
 CURRENT APPLICATION DATA:
 TYPE: nucleic acid
STRANDEDNESS: single
 linear
 MOLECULE TYPE: DNA
 US-08-770-565-26
 à
 ö
 Gaps
 APPLICANT: Wu, Fred
APPLICANT: Wu, Fred
APPLICANT: Wu, Fred
APPLICANT: Kealey, James T.
APPLICANT: Acaley, James T.
APPLICANT: Prizan, Ronald
APPLICANT: Weinrich, Scott L.
TITLE OF INVENTION: Methods for Detecting the RNA Component of
TITLE OF INVENTION: Telomerase
NUMBER OF SEQUENCES: 26
CORRESPONDENCE ADDRESS:
ADDRESSEE: TOWNSEND and TOWNSEND and CREW LLP
STREET: Two Embarcadero Center, 8th Floor
CITY: San Francisco
STATE: California
COUNTRY: USA
 ö
 COMPUTER READABLE FORM:

MEDIUM TYPE: Floppy disk

COMPUTER: IBM PC compatible

COMPUTER: IBM PC compatible

COMPUTER: IBM PC compatible

OPERATING SYSTEM: PC-DOS/MS-DOS

SOFTWARE: Patentin Release #1.0, Version #1.25

CURENT APPLICATION DATA:

APPLICATION NUMBER: US/09/580,517

FILING DATE: 25-MSy-2000

CLASSIFICATION: UNKNOWN-

PILING DATE: 40-MSy-2000

FILING DATE: 40-MSY-2000

ATTORNEY/AGENT INFORMATION:

NAME: SMith, William M

REGISTRATION NUMBER: 30,223
ANDREWS, William H.

TITLE OF INVENTION: HUMAN TELOMERASE
NUMBER OF SEQUENCES: 25
CORRESPONDENCE ADDRESS:
ADDRESSEE: Townsend and Townsend Khourie and Crew
STREET: 379 Lytton Avenue
CITY: Palo Alto
 Query Match
Best Local Similarity 100.0%; Pred. No. 0.0096;
Matches 19; Conservative 0; Mismatches 0; Indels
 COUNTRY: USA
ZIF: 9411-3834
COMPUTER READBLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPENTING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.30
 REFERENCE/DOCKET NUMBER: 15389-000810 TELECOMMUNICATION INFORMATION:
 TOPOLOGY: linear

MOLECULE TYPE: DNA

SEQUENCE DESCRIPTION: SEQ ID NO: 23:
US-09-580-517-23
 TELEPHONE: (415) 326-2400
 Sequence 26, Application US/08770565 Patent No. 5846723 GENERAL INFORMATION:
 (415) 326-2422
 1 GCTCTAGAATGAACGGTGG 19
 5 gereradaardaaceered 23
 LENGTH: 26 base pairs
 TYPE: nucleic acid
STRANDEDNESS: single
 MATION FOR SEQ ID NO: 23:
SEQUENCE CHARACTERISTICS:
 COUNTRY: US
 INFORMATION FOR
 US-08-770-565-26
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Gaps
 ö
 Query Match
100.0%; Score 19; DB 2; Length 27;
Best Local Similarity 100.0%; Pred. No. 0.0096;
Matches 19; Conservative 0; Mismatches 0; Indels
APPLICATION NUMBER: US/08/770,565
FILING DATE: 20-DEC-1996
CLASSIPTCATION: 435
ATCORNEY AGENT INFORMATION:
NAME: Storella, John R.
REGISTRATION NUMBER: 32,944
REGISTRATION NUMBER: 32,944
REFENCE/DOCKET NUMBER: 015389-002300US
TELEPHONE: 415-576-0200
TELEPHONE: 415-576-0300
INFORMATION FOR SEQ ID NO: 26: SEQUENCE CHARACTERISTICS:
LENGTH: 27 base pairs
```

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Human telomerase R
PCR primer for Hum
Human telomerase R
Human telomerase (
RNA component of h
Human telomerase R
Antisense oligonuc
RNA component of h
Human clomerase R
Antisense oligonuc

Human telomerase p Sense primer for h Human telomerase p CRT C-domain-green Human GPCR TDAGS(!

Scoring table:

Word size :

Searched:

Database :

Perfect score:

Seguence:

OM nucleic

Run on:

Murine Cdc25A intr C. difficile toxin Clostridium diffic

Human telomerase p Oligonucleotide us RNA component of h

Antisense oligonuc

Novel recombinant
HCMV IE-exon-4 sub
Sense primer for h
Novel human G prot
DNA associated wit
RNA component of h
Human telomerase p
Human telomerase p

Sequence encoding Sequence encoding Rx 2.4 prorelaxin Phenylalanine ammo Rhodosporidium tor

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Weinrich SL,

Pruzan R,

Kealey JT, Kim NW, WPI; 1998-377670/32

Human telomerase P Human hTR gene RT-Telomerase PCR pri

Result No.

Human telomerase

```
RNA component; human telomerase; antisense oligonucleotide; infection; neuroblasticma; bladder cancer; colon cancer; prostate cancer; cancer; contraception; sterilisation; immunosuppression; therapeutic; hTR; immune system down-regulation; anti-inflammatory therapy; ss.
 RNA component of human telomerase (hTR) antisense oligo 21ab
 ALIGNMENTS
 AAF81502
AAF87602
AAV41178
 AAH43421
AAQ43258
AAQ43257
 AAV41175
AAZ23631
 AAT97049
AAS15930
 AAF57369
AAT29258
 AAQ71457
AAD33073
 AAV63649
 AAS09476
 AAS15928
 ABA91517
 ABA04366
 AAA46113
 AAV30567
 ABK09963
 AAQ71630
 AAT97047
 AAS15929
 AAS15932
 ABK48024
 ABA95497
 AAS15931
 AAD26921
 BP.
97WO-US23619.
 96US-0770565
96US-0770564
 AAV41176 standard; DNA; 19
 (first entry)
(GERO-) GERON CORP.
08-OCT-1998
 Synthetic.
Homo sapiens.
 WO9828442-A1.
 19-DEC-1997;
 20-DEC-1996;
20-DEC-1996;
 02-JUL-1998.
AAV41176;
 RESULT 1
 AAV41176
טטט
 RNA component of h
Human telomerase R
RNA component of h
RNA component of h
 Primer for product
 June 22, 2003, 18:09:32 ; Search time 126.263 Seconds (without alignments) 338.880 Million cell updates/sec
 N Geneseq 101002:*

| SIDSZ/gcgdata/geneseqn-embl/NA1980.DAT:*
| SIDSZ/gcgdata/geneseqn/embl/NA1981.DAT:*
| SIDSZ/gcgdata/geneseqn/embl/NA1981.DAT:*
| SIDSZ/gcgdata/geneseqn/embl/NA1982.DAT:*
| SIDSZ/gcgdata/geneseqn/embl/NA1982.DAT:*
| SIDSZ/gcgdata/geneseqn/embl/NA1985.DAT:*
| SIDSZ/gcgdata/geneseqn/embl/NA1985.DAT:*
| SIDSZ/gcgdata/geneseqn/embl/NA1985.DAT:*
| SIDSZ/gcgdata/geneseqn/geneseqn-embl/NA1985.DAT:*
| SIDSZ/gcgdata/geneseqn/geneseqn-embl/NA1989.DAT:*
| SIDSZ/gcgdata/geneseqn/geneseqn-embl/NA1989.DAT:*
| SIDSZ/gcgdata/geneseqn/geneseqn-embl/NA1999.DAT:*
| SIDSZ/gcgdata/geneseqn/geneseqn-embl/NA1999.DAT:*
| SIDSZ/gcgdata/geneseqn/geneseqn-embl/NA1991.DAT:*
| SIDSZ/gcgdata/geneseqn/geneseqn-embl/NA2001A.DAT:*
 Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.
 Description
 2166140
 GenCore version 5.1.6
Copyright (c) 1993 - 2003 Compugen Ltd.
 Total number of hits satisfying chosen parameters:
 2185239 seqs, 1125999159 residues
 SUMMARIES
 - nucleic search, using sw model
 summaries
 AAV41176
AAZ08704
AAT10304
AAT10299
AAT11044
AAT1944
AAV19489
AAV17033
 OLIGO_NUC.
Gapop_60.0 , Gapext 60.0
 GCTCTAGAATGAACGGTGG 19
 Post-processing: Listing first 45
 US-08-770-564A-9
19
1 GCTCTAGAATGAACG
 DB
 Length
 Minimum DB seq length: 0 Maximum DB seq length: 50
 Query
Match
 0
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Disclosure; Page 16; 32pp; English.

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Query Match
Best Local Similarity
 WPI; 1999-508655/42.
 parasites or fungi.
 Homo sapiens
 16-FEB-1999;
 16-FEB-1998;
 WO9941406-A1
 19-AUG-1999
 Abruzzo LV,
 Synthetic.
 AAZ08704;
 New
 RESULT 2
 AAZ08704
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A method has been developed for detecting telomerase activity in a non-cellular portion of body fluid from a cancer patient using a modified telomeric repeat amplification protocol (TRAP). A method for detecting cancer comprises: (a) removing the cellular portion of a body fluid specimen from the patient; (b) preparing a protein extract from the body fluid remainder; (c) assaying the extract for the presence and quantity of telomerase RNA or telomerase activity; and (d) comparing the results with normal levels, to determine the presence of cancer. The methods are used in cancer diagnosis and prognosis, and also to monitor cancer therapy effectiveness. Unlike prior art telomerase activity assays in cancer patients, the method allows noninvasive sample collection. The methods are also more reliable and less tumour specific than other methods which detect circulating tumour markers. The present sequence represents a human telomerase RNA template FCR primer used in
 RNA component; human; telomerase; polymerase chain reaction; recombinant production; synthesis; mutant; detection; mammalian; identification; modulating agent; neoplastic condition; transcriptional regulatory sequence; gene therapy; disease;
 RNA component of human telomerase nested PCR primer R3c.
 RNA component of mammalian telomerase, esp. human - usei
identifying e.g. candidate telomerase-modulating agents
 100.0%; Score 19; DB 20; 100.0%; Pred. No. 0.041;
 the exemplification of the present invention.
 Sequence 25 BP; 7 A; 3 C; 9 G; 6 T; 0 other;
 Villeponteau
 Mismatches
 .
0
 GCTCTAGAATGAACGGTGG 19
 4 GCTCTAGAATGAACGGTGG 22
 Funk W,
 Bb
 95US-0482115.
94US-0272102.
94US-0330123.
 95WO-US08530
 95US-0472802
 AAT10304 standard; DNA; 26
 10-SEP-1996 (first entry)
 Ouery Match
Best Local Similarity 100.0
Matches 19, Conservative
 Andrews WH, Feng J,
 WPI; 1996-097581/10.
 (GERO-) GERON CORP,
 PCR primer; ss
 WO9601835-A1
 06-JUL-1995;
 07-JUL-1994;
 25-JAN-1996.
 07-JUN-1995;
 07-JUN-1995
 27-0CT-1994
 Synthetic.
 AAT10304;
 RESULT 3
 AAT10304
 8X55555555555555555555555888
 ઠે
 셤
 Sequences shown in AAV41169 to AAV41181 represent antisense
oligonucleotides to the RNA component of human telomerase (HTR). These
antisense oligonucleotides specifically hybridise to a nucleotide
sequence within an accessible region of the hTR, but that does not
bybridise to a sequence within the template region of hTR. These
component of human telomerase in a sample. This is useful for diagnosing
cancer (especially neuroblastoma, bladder, colon and prostate cancer),
and providing prognosis for a cancer patient. The inhibitors
cancer (especially neuroblastoma, bladder, colon and prostate cancer),
and providing prognosis for a cancer patient. The inhibitors
interfering with transcription of the RNA component, decreasing the
interfering with transcription of the RNA component, decreasing the
interfering with transcription of the RNA component, decreasing the
clief of the telomerase RNA component transcript, inhibiting assembly
of the RNA component into the telomerase holoenzyme, or inhibiting the
polymerase activity of telomerase. These antisense oligonucleotides can
be used for inhibiting telomerase activity in both cultured cells and in
cells in vivo. They can be used in therapeutics for treating or
preventing cancer, for contraception or sterilisation, for
immunosuppression, and for selectively down-regulating specific branches
of the immune system, e.g. a specific subset of T-cells, in
 ö
 Gaps
 detecting or inhibiting human telomerase, e.g. for treating cancers, contraception, immuno-suppression or treating infection
 Telomerase; body fluid; cancer; tumour; screening; TRAP; diagnosis; telomeric repeat amplification protocol; detection; PCR primer; ss.
 polynucleotide(s) anti:sense to human telomerase - used for
 ö
 100.0%; Score 19; DB 19; Length 19; ilarity 100.0%; Pred. No. 0.042; Conservative 0; Mismatches 0: Thiels
 Human telomerase RNA template PCR primer R3C.
 Sequence 19 BP; 5 A; 3 C; 7 G; 4 T; 0 other;
 Claim 11; Page 65; 80pp; English.
 (UYMA-) UNIV MARYLAND BALTIMORE.
 GCTCTAGAATGAACGGTGG 19
 1 cercracaarcaaccerce 19
 AAZ08704 standard; DNA; 25 BP
 98US-0074793
 99WO-US03302
 20-OCT-1999 (first entry)
```

The present sequence, a nested PCR primer for the RNA component of human telomerase (RCHT), was used in a 5' RACE procedure. The RCHT can be used in the recombinant prodn. of an active telomerase mol., capable of adding sequences to chromosomal DNA telomeres, and

Detecting telomerase activity in non-cellular body fluid using a modified telomeric repeat amplification protocol

Strovel JW

Stamberg J,

Highsmith E,

Example 10; Page 82; 114pp; English.

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Gaps

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Length 25; 0; Indels

```
Sequence 26 BP; 7 A; 3 C; 9 G; 7 T; 0 other;
 therapy of human diseases.
 WO9601614-A2
 07-JUL-1994;
27-OCT-1994;
 07-JUL-1995;
 13-FEB-1995;
 25-JAN-1996.
 17-JUN-1995
 Andrews WH,
 Synthetic.
 AAT11044;
 RESULT 5
 AAT11044
 SXS
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 셤
 ö
 Gaps
 RNA component; human; telomerase; lung fibroblast; cell line WI-38; recombinant production; synthesis; mutant; detection; mammalian; identification; modulating agent; neoplastic condition; transcriptional regulatory sequence; gene therapy; disease; polymerase chain reaction; antisense plasmid; PCR primer; ss.
 mammalian telomerase RNA component polynucleotides. The RCHT may also be used in the identification of telomerase modulating agents, and in the detection of telomerase related, or neoplastic conditions in a patient. Polynucleotides of at least 25 consecutive nucleotides identical, or complementary to the RCHT sequence linked to heterologous transcriptional regulatory
 The present sequence is a PCR primer for a RNA component of human telomerase (RCHT), antigense plasmid. RCHT was derived from a genomic DNA library obtd. from the human lung fibroblast cell line W1-38. The RCHT can be used in the recombinant prodn. of an active telomerase mol., capable of adding sequences to chromosomal DNA telomeres, and in the synthesis of mutant sequences for the detection of mutant mammalian telomerase RNA component polynucleotides. The RCHT may also be used in the identification of telomerase modulating agents, and in the detection of
 RNA component of human telomerase antisense plasmid PCR primer R3C.
 telomerase related, or neoplastic conditions in a patient.

Olymucleotides of at least 25 consecutive nucleotides identical, or complementary to the RCHT sequence linked to heterologous transcriptional regulatory Sequences; can be used for the gene
in the synthesis of mutant sequences for the detection of mutant
 ö
 sequences, can be used for the gene therapy of human diseases.
 RNA component of mammalian telomerase, esp. human - useful in identifying e.g. candidate telomerase-modulating agents
 100.0%; Score 19; DB 17; Length 26; 100.0%; Pred. No. 0.041;
 0; Indels
 Funk W, Villeponteau B;
 Sequence 26 BP; 7 A; 3 C; 9 G; 7 T; 0 other;
 0; Mismatches
 Example 8; Page 80; 114pp; English.
 AAT10299 standard; DNA; 26 BP.
 95US-0482115.
94US-0272102.
94US-0330123.
95US-0472802.
 95WO-US08530
 Query Match
Best Local Similarity 100.09
 09-SEP-1996 (first entry)
 Feng J,
 WPI; 1996-097581/10.
 (GERO-) GERON CORP.
 WO9601835-A1
 06-JUL-1995;
 07-JUN-1995;
 07-JUL-1994;
27-OCT-1994;
 07-JUN-1995;
 25-JAN-1996
 Andrews WH,
 Synthetic.
 AAT10299;
 RESULT 4
888888888888
 g
 CCCCCCCCCCX8X44X8X1X8X83888X6X6X8X8X8X8X8X8X6X8
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 The RNA components of (non) human mammalian telomerase(s) especially from mouse, rat and chinese hamster are all claimed. Antisense oligonucleotides can be used to block the activity of the telomerase; probes and primers can be used in detection; vectors and host cells transformed with the isolated telomerase genes can be used for production of telomerases; RNA and DNA ribozymes and triplex forming oligonucleotides directed against the telomerase genes can be used therapeutically as can plasmids. A mouse which lacks the telomerase gene (also claimed) can be used for study of telomere regulation in vivo, and the role it plays in immortalisation. Three primers (AATI1040, AATI1044) where then used to produce antisense expression plasmids. AATI1040 was used alongside both AATI1043 and
 Gaps
 Gaps
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 Telomerase; mammal; antisense; triplex forming oligonucleotide; plasmid; probe; primer; ribozyme; ss.
 ö
 .;
0
 Primer for production of telomerase antisense oligonucleotide.
 RNA components of (non)human mammalian telomerase(s) - useful studying cell senescence and immortalisation
 Length 26;
 Length 26;
 100.0%; Score 19; DB 17; Length 26
100.0%; Pred. No. 0.041;
.ive 0; Mismatches 0; Indels
 100.0%; Score 19; DB 17; Length 2
100.0%; Pred. No. 0.041;
ive 0; Mismatches 0; Indels
 Avillon AA, Feng J, Funk W, Greider C;
 AAT11044 to produce two different antisense molecules.
 Sequence 26 BP; 7 A; 3 C; 9 G; 7 T; 0 other;
 Example 8; Page 53; 85pp; English.
 1 GCTCTAGAATGAACGGTGG 19
 5 GCTCTAGAATGAACGGTGG 23
 (COLD-) COLD SPRING HARBOR LAB
 BP
 94US-0272102.
94US-0330123.
95US-0387524.
 Marhuenda MA, Villeponteau B;
 95US-0485778.
 95WO-US08620
 AAT11044 standard; DNA; 26
 02-JUL-1996 (first entry)
Query Match
Best Local Similarity 100.0
....hes 19; Conservative
 Query Match
Best Local Similarity 100.
Matches 19; Conservative
 WPI; 1996-097428/10.
 (GERO-) GERON CORP.
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Human TPC2, TPC3 and TR genes - regulate telomere length or modulate
 hTR gene; TPC2; TPC3; telomere length; telomerase; human; cancer; gene therapy; diagnosis; PCR; primer; ss.
 Disclosure; Page 49; 86pp; English.
 Human hTR gene RT-PCR primer R3c.
AAV19489 standard; DNA; 26 BP.
 28-AUG-1998 (first entry)
 Andrews WH,
 WPI; 1998-207373/18.
 telomerase activity
 (GERO-) GERON CORP.
 cancer cells.
 Homo sapiens.
 13-SEP-1996;
 13-SEP-1996;
 WO9811204-A1
 19-MAR-1998.
 Adams RR,
 Synthetic.
 AAV17033;
 AAV19489;
 RESULT 8
 AAV17033
a
 The present sequence represents PCR 3'-primer R3C used for amplifying the human telomerase (hTR). The RNA and DNA can be used in hybridisation assays to detect or quantify telomerase activity in cells, tissue or fluid samples, e.g. for diagnosis of eukaryotic parasites (yeast and protozoa) or tumours. It is also useful as primers for amplification assays. The truncated or recombinant vertebrate telomerase is used therapeutically to increase telomerase activity (also as reagnts in the screening assay) while the RNA or other inhibitors such as antisense molecules, are used to reduce such activity. Typical applications are initiation/restoration of activity to cause senescence
 or to prevent immortalisation of cells in tumours or parasites. The DNA is also used to produce recombinant telomerase, which can then be used conventionally to raise antibodies for diagnostic detection of telomerase. Detecting telomerase allows early diagnosis of tumour or infection, before clinical signs manifest. Telomerase inhibitors
 directed against e.g. Trypanosoma should cause fewer side effects than drugs currently used to treat such infections. The DNA encodes those parts of hTR RNA essential for activity but are significantly shorter
 DNA encoding essential RNA components of human telomerase - also truncated or recombinant telomerase, useful for diagnosis and treatment of cancer and infection by eukaryotic parasites
 Cancer, eukaryotic parasite; hTR; vertebrate telomerase; yeast; protozoa; tumour; antibody; polymerase chain reaction; ss.
 Query Match
100.0%; Score 19; DB 18; Length 26;
Best Local Similarity 100.0%; Pred. No. 0.041;
Matches 19; Conservative 0; Mismatches 0; Indels
 Sequence 26 BP; 7 A; 3 C; 9 G; 7 T; 0 other;
 Human telomerase PCR 3'-primer R3C.
 Example 5; Page 32; 48pp; English.
 than the endogenous RNA component.
 GCTCTAGAATGAACGGTGG 19
 (COLD-) COLD SPRING HARBOR LAB.
 AAT58811 standard; DNA; 26 BP
 95US-0478352.
 (first entry)
 Greider C;
 WPI; 1997-099928/09
 WO9640868-A1
 06-JUN-1996;
 07-JUN-1995;
 20-NOV-1997
 19-DEC-1996
 Autexier C,
 Synthetic.
 AAT58811;
 AAT58811
 g
```

Feng J, Villeponteau

96WO-US14679.

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Gaps
Primers R3c and F3b (see AAV19488) were designed for the PCR amplification of the human telonerase hTR gene (see AAV19481). hTR mRNA levels were showed to correlate with telomerase activity levels in a variety or mortal and immortal cell lines. Methods of the invention allow detection and quantitation of TPC2 (see AAV19480) and/or TPC2 gene products and can be used to detect immortal cells, especially telomerase positive
 Human; telomerase reverse transcriptase; hTRT; TRT; diagnosis;
prognosis; cell proliferation; cancer; ageing; ribonucleoprotein;
 ö
 Length 26;
 0; Indels
 100.0%; Score 19; DB 19;
100.0%; Pred. No. 0.041;
tive 0; Mismatches 0;
 Sequence 26 BP; 7 A; 3 C; 9 G; 7 T; 0 other;
 1 GCTCTAGAATGAACGGTGG 19
 GCTCTAGAATGAACGGTGG 23
 AAV17033 standard; DNA; 26
 13-AUG-1998 (first entry)
 Telomerase PCR primer R3c.
 Query Match 100.
Best Local Similarity 100.
Matches 19; Conservative
 PCR primer; ss.
 Homo sapiens.
 GB2317891-A
 08-APR-1998,
 Synthetic.
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GCTCTAGAATGAACGGTGG 19 ścrcragardaacegreg 23

RESULT 7

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The present sequence is a PCR primer specific to human telomerase RNA (hTR). It is used to amplify human staufen (hStau) cDNA synthesised using random hexamer primers and Superscript II reverse transcriptase.
 Human staufen polypeptide useful in methods for identifying telomerase inhibitors -
 This invention describes a novel method for diagnosing bladder cancer which comprises detecting telomerase RNA in a urine sample. The method
 Gaps
 Detecting telomerase RNA in urine - useful for diagnosis of bladder
 Telomerase; human; diagnosis; bladder cancer; detection; urine;
 ö
 Length 26;
 100.0%; Score 19; DB 20; Length 2
100.0%; Pred. No. 0.041;
ive 0; Mismatches 0; Indels
 Sequence 26 BP; 7 A; 3 C; 9 G; 7 T; 0 other;
 (UYJO) UNIV JOHNS HOPKINS SCHOOL MEDICINE.
 Human telomerase RNA PCR primer TE-hTR3.1.
 Disclosure; Page 15; 50pp; English
 1 GCTCTAGAATGAACGGTGG 19
 5 GCTCTAGAATGAACGGTGG 23
 Claim 6; Page 10; 13pp; German.
 (HOFF) ROCHE DIAGNOSTICS GMBH.
 BP.
 99WO-US07533
 98EP-0124326.
 97DE-1057300.
 98US-0080783
 AAX77402 standard; DNA; 26
 05-AUG-1999 (first entry)
 Best Local Similarity 100.
Matches 19; Conservative
 WPI; 1999-349242/30.
 WPI; 1999-620168/53.
 Greider CW, Le S;
 Homo sapiens.
 Homo sapiens.
 21-DEC-1998;
 22-DEC-1997;
 WO9951255-A1
 06-APR-1999;
 06-APR-1998;
 EP926245-A2.
 14-OCT-1999
 PCR primer;
 30-JUN-1999,
 Synthetic
 Emrich T;
 AAX77402;
 Query Match
 RESULT 10
SX8X8X8X8X8X8X1X8X8X8X8X8X8X8X8X8
 ò
 The present sequence represents a PCR primer from the present invention which describes human telomerase reverse transcriptase (hTRT). The present invention also describes the following methods: (A) determining whether a test compound is a modulator of hTRT, by detecting the change in hTRT recombinant protein or polymucleotide, on administration of the compound; (B) preparation of recombinant telomerase by contacting a protein preparation of recombinant telomerase by contacting a protein preparation of recombinant telomerase by contacting a protein preparation of recombinant telomerase protein in the case of probe to the sample and detecting the complex formed or in the case of RNA detection, amplifying the product and correlating the presence of complex or amplification product with presence of hTRT in the sample; and (D) increasing the proliferation of a vertebrate cell by increasing hTRT expression; and (B) the use of an agent that causes an increase in cell vertebrate cell proliferation to create a medicament that inhibits ageing. A protein preparation of hTRT and the polymucleotide encoding hTRT can be used in the manufacture of medicaments for inhibiting the effect of ageing or cancer. Inhibitors of tellomerase activity can be
 ô
 Gaps
 Pure and recombinant human Telomerase Reverse Transcriptase and its variants - are useful in the diagnosis, prognosis and treatment of cell proliferation conditions especially cancer and ageing
 used to treat conditions that are associated with high telomerase activity. A protein preparation of hTRT can also be used in the new
 PCR primer; human telomerase RNA; hTR; amplify; human staufen cDNA; hStau; synthesised; random hexamer primer; Superscript II reverse transcriptase; 88.
 ö
 100.0%; Score 19; DB 19; Length 26; 100.0%; Pred. No. 0.041; tive 0; Mismatches 0; Indels
 Lingner J;
 Harley C,
 Sequence 26 BP; 7 A; 3 C; 9 G; 7 T; 0 other;
 Human telomerase RNA specific PCR primer-2.
 Example 2; Page 218; 387pp; English.
 Chapman KB,
Harley CB;
 1 GCTCTAGAATGAACGGTGG 19
 AAX90788 standard; DNA; 26 BP
 96US-0724643.
97US-0844419.
97US-0851843.
97US-0854050.
97US-0911312.
97US-0911312.
 (UYTE-) UNIV TECHNOLOGY CORP.
 97GB-0020890
 (first entry)
 Local Similarity 100.
1es 19; Conservative
 , Cech TR,
Nakamura T,
 WPI; 1998-171633/16.
 CORP.
 GERON
 01-OCT-1997;
 14-AUG-1997;
 13-JAN-2000
 09-MAY-1997
14-AUG-1997
 Andrews WH,
 18-APR-1997
 25-APR-1997
 06-MAY-1997
 Synthetic.
 Morin GB,
 AAX90788;
 Query Match
 (GERO-)
 Best Loca
Matches
 AAX90788
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The present invention describes a method (I) for detecting telomerase activity in a sample. The method comprises treating the sample with a solid phase to bind telomerase, separating the solid phase from the sample to form a test sample which may be treated to elute bound telomerase and assaying the sample for telomerase activity. Also described are: (I) a kit (I) for detecting telomerase activity. Also comprising a solid phase and one or more components for assaying telomerase activity, comprising a solid phase for binding telomerase activity, comprising a solid phase for binding telomerase activity, comprising a solid phase for binding telomerase on which is present a substrate for telomerase elongation.

(I) is useful for cancer diagnosis or prognosis and detection of micrometeastasis. The solid phase activity is indicative of cancer or micrometeastasis. The solid phase used in (I) is useful for separating telomerase from a sample and therefore for detecting telomerase activity. (II) is useful for detecting cancer cells and may also comprises means for assaying an mRNA diagnostic for cancer.

The present sequence represents a reverse transcriptase (RT) PCR primer
 Detecting telomerase activity in samples, useful for diagnosis of cancer and micrometastasis, comprises treating sample with solid phase, removing solid phase and treating to elute bound telomerase
 present sequence represents a reverse transcriptase (RT) PCR prime.
human telomerase RNA, which is used in an example from the present
 Humán, telomerase, hTR; reverse transcriptase, RT-PCR; PCR primer, detection; cancer; micrometastasis, diagnosis; ss.
 Human telomerase RNA reverse transcriptase PCR primer #2.
 Sequence 26 BP; 7 A; 3 C; 9 G; 7 T; 0 other;
 Example 11; Page 38; 68pp; English.
 GCTCTAGAATGAACGGTGG 19
 GCTCTAGAATGAACGGTGG 23
 AAA88250 standard; DNA; 26 BP
 Query Match
Best Local Similarity 100.0%;
Matches 19; Conservative
 01-FEB-2000; 2000WO-IB00100
 26
 (first entry)
 Ξ
 DNA;
 Skaanseng
 (LARS/) LARSEN F.
(SKAA/) SKAANSENG M.
 WPI; 2000-491281/43.
 ABK48024 standard;
 WO200046601-A1.
 Homo sapiens.
 15-DEC-2000
 02-FEB-1999;
 10-AUG-2000.
 Larsen F,
 Invention.
 ABK48024;
 AAA88250;
 RESULT 13
ABK48024
ID ABK48
XX
AC ABK48
DT 18-JU
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 This sequence represents a PCR primer for DNA encoding the human TPC3 protein, which is contained within the recombinant mammalian host cell of the invention. The invention provides methods and reagents for regulating telomerae length and modulating telomeraes activity in mammalian cells as well as for detecting, diagnosing, and treating related diseases and conditions such as cancer, pregnancy, or fertility in humans and other
of the invention has greater sensitivity and reliability than assays for telomerase activity (cf. WO 9735871). This sequence represents a primer
 Gaps
 Gaps
 DNA encoding proteins TPC2 and TPC3 - useful for regulating telomere
 TPC2, TPC3, human; telomere length regulation; cancer; pregnancy; fertility; diagnosis; therapy; PCR primer; ss.
 ö
 ö
 Score 19; DB 20; Length 26;
Pred. No. 0.041;
); Mismatches 0; Indels
 Length 26;
 Score 19; DB 20; Lengtn & Pred. No. 0.041;
 Feng J, Villeponteau B;
 Sequence 26 BP; 7 A; 3 C; 9 G; 7 T; 0 other;
 Sequence 26 BP; 7 A; 3 C; 9 G; 7 T; 0 other;
 0; Mismatches
 length or modulating telomerase activity
 used in the method of the invention.
 Example; Column 38; 59pp; English
 .;
0
 1 GCTCTAGAATGAACGGTGG 19
 GCTCTAGAATGAACGGTGG 23
 1 GCTCTAGAATGAACGGTGG 19
 GCTCTAGAATGAACGGTGG 23
 PCR primer for Human TPC3 gene.
 100.0%;
 AAX01542 standard; DNA; 26 BP
 100.0%;
 95US-0003492.
96US-0583808.
96US-0710249.
 96US-0710249
 Query Match
Best Local Similarity 100.0
Matches 19, Conservative
 (first entry)
 Query Match
Best Local Similarity 100.
Matches 19, Conservative
 Adams RR, Andrews WH,
 WPI; 1999-152104/13.
 (GERO-) GERON CORP.
 08-SEP-1995;
05-JAN-1996;
13-SEP-1996;
 13-SEP-1996;
 Homo sapiens
 29-APR-1999
 US5858777-A
 12-JAN-1999
 Synthetic
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AAX01542;

RESULT 11 AAX01542

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Indels

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18-JUN-2002 (first entry)

RESULT 12 AAA88250

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Length 26;

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Human telomerase-associated RNA template (hTR), PCR primer hTR2.
 Example 1; Page 14; 30pp; English.
 28-AUG-2001; 2001WO-US26749
 31-AUG-2000; 2000US-0653573
 Gocke CD;
 (ONCO-) ONCOMEDX INC.
 WPI; 2002-269532/31.
 WO200218652-A2.
 premalignancy
 Kopreski MS,
 Homo sapiens
 07-MAR-2002
```

Ġ 셤 ઠે 8 The invention relates to detecting human telomerase RNA template (hTR)

RNA or human telomerase reverse transcriptase protein RNA (HTERT) RNA (I)

in a bodily filud, comprising amplifying RNA extracted from plasma or

serum sample, or its corresponding cDNA comprising (I), using primers or

serum sample, or its corresponding cDNA comprising (I), using primers or

probes that target (I) or cDNA and detecting qualitatively or

cuantitatively amplified product of (I) or cDNA product. The method is

cuseful for detecting (I) in a bodily fluid, which is useful for

identifying a human having (I) expressing cells or tissue which

cuseful for detecting (I) in a bodily fluid, which is useful for

identifying a human having (I) expressing cells or tissue which

cuseful for detecting (I) in a bodily fluid, which is useful for

correctal concertion, kidney, or ossophagus, or a melanoma or

concerts, lung, cervical intraepithelial neoplasis, bronchial dysplasis,

colorectal adenoma, atypical endometrial hyperplasis, or Barrett's

colorectal adenoma, atypical endometrial for treating a human with

colorectal adenoma, atypical endometrial for treating a human with

carcinoma in situ. The method is also useful for treating a human with

cancer for telomerase-directed therapy, which comprises selecting the

carcinoma in situ. The method is also useful for treating a human with

cand for monitoring a therapy administered to a human. (I) provides a

cand for monitoring a therapy administered to a human. (I) provides

cand for monitoring a therapy administered to a human. (I) provides

cand for monitoring a therapy administered to a human. (I) provides

cand for monitoring a therapy administered eurgical procedures to remove premalignant or malignant lesions, and thu allow stratification of such patients as to their risk of residual cancer following surgery, and their need for further therapy or who has completed therapy as an early indicator or relapsed cancer, impending relapse, or treatment failure. The method allows the development and application of telomerase-specific therapy even when only premalignant tumours, early cancer, or occult cancer or metastasis such as following resection or in minimal residual disease are present. The present Human; telomerase-associated RNA template; hTR; endometrial; malignancy; cancer; breast; ovarian; head and neck; lung; cervical; colorectal; gastric; liver; pancreatic; bladder; prostate; bratin; kidney; oesophagus; malanoma; sarcoma; premalignancy; carcinoma in-situ; cervical psplasia; bronchial dysplasia; cervical intraepithelial neoplasia; atypical hyperplasia; edlorectal adenoma; atypical endometrial hyperplasia; tumour; Barrett's oesophagus; telomerase-directed therapy; primer; ss. sequence represents a PCR primer for human telomerase-associated RNA template (hTR). telomerase Detecting human telomerase RNA template RNA or human telomerase transcriptase protein RNA in bodily fluid, useful as marker for diagnosing, monitoring or treating cancer, carcinoma in situ or

Sequence 26 BP; 7 A; 3 C; 9 G; 7 T; 0 other;

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 The invention relates to methods and reagents for regulating telomere length and for modulating telomerase activity in mammalian cells. The invention also relates to purified, synthetic or recombinant peptides such as TPC2 or TPC3 and detecting regulators of telomere length and telomerase activity in mammalian cells and for a variety of related diagnostic and therapeutic purposes. The method is useful for screening, diagnosting, monitoring and treating diseases and other conditions such as cancer, pregnancy, fertility, telomere length and telomerase-activity. The present sequence is a reverse transcription (RT) PCR primer used for amplifying human telomerase (hTR) cDNA.
 Peptide products of the human TPC2 and TPC3 gene are involved in regulation of telomere length and activity are useful to diagnose and treat telomere length and activity-related diseases -
 Gaps
 Gaps
 Human telomerase (hTR) cDNA amplifying R3c downstream RT-PCR primer.
 Human; telomerase; TR; telomerase activity-related disease; therapy;
cancer; pregnancy; fertility; RT-PCR primer; ss.
 ö
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 100.0%; Score 19; DB 24; Length 26; 100.0%; Pred. No. 0.041; ive 0; Mismatches 0; Indels
 Length 26;
 0; Indels
 100.0%; Score 19; DB 24;
100.0%; Pred. No. 0.041;
ive 0; Mismatches 0;
 Adams RR;
 Sequence 26 BP; 7 A; 3 C; 9 G; 7 T; 0 other;
 100.0%; Pred. ...
 Villeponteau B, Feng J, Andrews WH,
 Example, Column 38; 60pp; English.
 1 GCTCTAGAATGAACGGTGG 19
 1 GCTCTAGAATGAACGGTGG 19
 BP.
 95US-003492P.
96US-0710249.
96US-0583808.
 98US-0220157.
 AAV41193 standard; DNA; 27
 AAD24246 standard; DNA; 26
 (first entry)
Query Match 100.
Best Local Similarity 100.
Matches 19; Conservative
 Local Similarity 100.
nes 19; Conservative
 WPI; 2002-033174/04.
 (GERO-) GERON CORP.
 07-MAR-2002
 Homo sapiens.
 US6300110-B1.
 23-DEC-1998;
 09-SEP-1995;
 3-SEP-1996;
 05-JAN-1996;
 09-OCT-2001
 AAD24246;
 Query Match
 RESULT 15
AAV41193
ID AAV41:
XX
 AAD24246
```

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can be used for inhibiting telomerase activity in both cultured cells and in cells in vivo. They can be used in therapeutics for treating or preventing cancer, for contraception or sterilisation, for immunosuppression, and for selectively down-regulating specific branches of the immune system, e.g. a specific subset of T-cells, in anti-inflammatory therapies or for treating infections by, e.g. yeast, parasites or fungi.
 This primer is used for the RT-PCR amplification of an RNA component of human telomerase (hTR). This is used in the method of invention of determining the amount of hTR in a sample. The method comprises amplifying a sequence of hTR and a control polynucleotide from a sample and determining an amount of amplified hTR and an amount of amplified are control polynucleotide. The amount of amplified hTR is normalised with respect to the amount of ATR which provides a determination of the amount of hTR which provides a determination of the amount of hTR which may specifically be used for detection of an RNA component the hTR which may specifically be used for detection of an RNA component of human telomerase in a sample. This is useful for diagnosing cancer (especially neuroblastoma, bladder, colon and prostate cancer), and providing prognosis for a cancer patient. The antisense oligonucleotides providing prognosis for a cancer patient.
 component; human telomerase; antisense oligonucleotide; infection;
 neuroblastoma; bladder cancer; colon cancer; prostate cancer; cancer; contraception; sterilisation; immunosuppression; therapeutic; hTR; immune system down-regulation; anti-inflammatory therapy; RT-PCR;
 New polynucleotide(s) anti:sense to human telomerase - used for detecting or inhibiting human telomerase, e.g. for treating cancers, contraception, immuno-suppression or treating infection
 and component of human telomerase (hTR) amplifying reverse primer.
 Kim NW, Pruzan R, Weinrich SL,
 Claim 65; Page 75; 80pp; English.
 96US-0770564
 97WO-US23619
 96US-0770565
 08-OCT-1998 (first entry)
 WPI; 1998-377670/32
 (GERO-) GERON CORP.
 Synthetic.
Homo sapiens.
 19-DEC-1997;
 20-DEC-1996;
 20-DEC-1996;
 WO9828442-A1
 02-JUL-1998.
 Kealey JT,
 primer; ss.
AAV41193;
 RNA
8
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Wu F;

Gaps ·.. Score 19; DB 19; Length 27; Pred. No. 0.041; Indels Sequence 27 BP; 7 A; 3 C; 10 G; 7 T; 0 other; 0; Mismatches 100.08; 100.0%; Query Match
Best Local Similarity 100.0
Matches 19; Conservative

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Search completed: June 23, 2003, 05:43:38 Job time : 126.571 secs

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 2054640 segs, 14551402878 residues
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em_om:*
em_or:*
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gb_ov: *
gb_pat: *
gb_pl: *
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 GenEmbl:*
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PAT 29-SEP-1999 AX468455 Sequence BD011297 Human tel B36508 Method for B37046 Human telom 131770 Sequence 23 AX063850 Sequence AX17989 Sequence AX65471 Sequence AX65383 Sequence AX65383 Sequence AX6581 Sequence AX078893 Sequence AR073893 Sequence BD011244 Human telom AR000025 Sequence
AR161136 Sequence
AR202623 Sequence
AX036237 Sequence
125474 Sequence
125474 Sequence
E50834 Novel G pro
AR051815 Sequence
AR41257 Sequence
AR193717 Sequence
AR370655 Sequence
AX370655 Sequence
AX370655 Sequence
AX370655 Sequence
AX370659 Sequence
AX170659 Sequence AR016055 Sequence AR028786 Sequence AR059216 Sequence AR075527 Sequence AX298137 Sequence AX099957 Sequence IO4124 Sequence 8 AR063833 Sequence A94988 Sequence 2 AR161925 Sequence AX022187 Sequence AX033377 Sequence score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution. T (bases 1 to 19)

Kim,N.Woo., Wu.F., Kealey,J.T., Pruzan,R. and Weinrich,S.L.
Methods for detecting the RNA component of telomerase
Patent: US 5446723-A 9 08-DEC-1998;
Location/Qualifiers Description linear DNA ALIGNMENTS AR063833 19 bp Sequence 9 from patent US 5846723. AR063833.1 GI:5993141 SUMMARIES AX298137 AX099957 IO4124 AR000025 AR169136 AR202623 E49124 E50834 AR063835 AX244257 AR193717 AR205029 AX082540 AX112025 AR161925 AX022187 AX033377 AX468455 BD011297 AR063832 AX465471 A84596 AR079893 AR063834 BD011244 E36993 AR063850 A91468 8 Length Unclassified. Query Match 1 Unknown Score RESULT 1
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PAT 29-SEP-1999
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Villeponteau, B., Feng, J., Andrews, W.H. and Adams, R.R.
Methods and reagents for regulating telomere length and telomerase
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1 (Dasses 1 to 26)
Villeponteau,B., Feng,J., Funk,W. and Andrews,W.H.
Mammalian telomerase
Patent: US 5837857-A 23 17-NOV-1998;
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1 (bass 1 to 26)

Villeponteau, B., Feng, J., Funk, W. and Andrews, W.H.
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 Patent: US 5858777-A 26 12-JAN-1999;
Patent: US 5858777-A 26 12-JAN-1999;
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I (bases 1 to 26)
Emrich, T.D.
Method for detection of carcinoma of the urinary bladder within a
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1 (bases 1 to 26)
Villeponteau, B., Feng, J., Funk, W. and Andrews, W. H. Assays for the DNA component of human telomerase Patent: US 5776679-A 23 07-JUL-1998;
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 Patent: EP 0926245-A 2 30-JUN-1999;
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PAT 21-SEP-2000
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 PAT 31-JAN-2002
 PAT 16-JUL-2002
 Kopreski,M.S. and Gocke,C.D.
Method for detection of htr and htert telomerase-associated rna in plasma or serum
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Larsen, F. and Skaanseng, M.
Detecting telomerase activity
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LARSEN FRANK (NO); SKAANSENG MARIANNE (NO)
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 PAT 17-0CT-2001
 PAT 07-SEP-2000
 1 (bases 1 to 26)
Andrews, W.H., Villeponteau, B., Adams, R.R. and Feng, J.
Methods and reagents for regulating telomere length and telomerase
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 1 (bases 1 to 26)
Villeponteau, B., Feng, J., Funk, W. and Andrews, W.H. Mammalian telomerase
Patent: US 6258535-A 23 10-JUL-2001;
 linear
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Mammalian telomerase
Patent: US 5958680-A 24 28-SEP-1999;
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Patent: EP 0953042-A 26 03-NOV-1999;
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 PF 15-OCT-1998 JP 1998320169
PR 01-OCT-1996 US 08/724.643,18-APR-1997 US 08/844.419,
25-APR-1997 US 08/846.017,06-MAY-1997 US 08/851.843, PR
09-MAY-1997 US 08/854.050,14-AUG-1997 US 08/911.312, PR
14-AUG-1997 US 08/912.951,14-AUG-1997 US 08/915.503 PI T.
R SECHI,JOCHIMU RINGNER, TORU NAKAMURA, KAREN B CHAPMAN, PI GRI
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Thomas, R.S., Jochimu, R., Toru, N., Karen, B.C., Greg, B.M., Calvin, B.H. and William, H.A.
Human telomerase catalytic subunit promoter
Patent: JP 199253177-A 254 21-SEP-1999,
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A61K38/00,A61K31/7088,A61K39/00,A61K48/00,A61P35/00,A61P43/00,
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1 (bases 1 to 26)
Sechi,T.R., Lingner,J., Nakamura,T., Chapman,K.B., Mori,G.B.,
Harley,C.B. and Andrews,W.H.
Human telomerase catalytic subunit
Patent: JP 2001081042-A 254 27-MAR-2001,
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PN JP 2001081042-A/254
 13/53,
GO1N33/566,GO1N33/573//C12P21/08,A61K37/02,C12N15/00 CC
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PR 01-OCT-1996 US 2000227474

25-APR-1997 US 08/846017,06-MAY-1997 US 08/851843 PR

09-MAY-1997 US 08/854050,14-AUG-1997 US 08/911312 PR

R SECHI,JOACHIM LINGNER,TORU NAKAMURA,KAREN B CHAPMAN, PI

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Method for detecting bladder cancer in urine samples.
E36508
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Method for detecting bladder cancer in urine samples
Patent: JP 1992413955-A 2 14-SEP-1999;
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AUTHORS Kim,N.Woo., Wu.F., Kealey,J.T., Pruzan,R. and Weinrich,S.L.
TITLE Methods for detecting the RNA component of telomerase
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Title: Perfect score:

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## ALIGNMENTS

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APPLICANT: MISSWIGGEN, James
APPLICANT: MISSWIGGEN, James
APPLICANT: MISSWIGGEN, James
APPLICANT: MISSWIGGEN, James
APPLICANT: Beigelman, Leonid
TITLE OF INVENTION: RNA Interference Mediated Inhibition of Telomerase Gene
TITLE OF INVENTION: RNA Interference Mediated Inhibition of Telomerase Gene
TITLE OF INVENTION: RNA TATEST AND THE STATEST AND TH
 FEATURE: OTHER INFORMATION: Description of Artificial Sequence: sinA sense region
 NAME/KEY: misc_feature

// DCATION: (20)...(21)

// OTHER INFORMATION: n stands for thymidine

PCT-US03-04088-539
Sequence 539, Application PC/TUS0304088 GENERAL INFORMATION:
APPLICANT: Ribozyme Pharmaceuticals, Inc.
 TYPE: RNA
ORGANISM: Artificial
```

100.0%; Score 15; DB 1; Length 21;

Query Match

```
APPLICANT: MCSwiggen, James
APPLICANT: Beigelman, Leonid
TITLE OF INVENTION: RNA Interference Mediated Inhibition of Telomerase Gene
 OTHER INFORMATION: Description of Artificial Sequence: sinh sense region
 ; LOCATION: (21) ... (21) ... OTHER INFORMATION: 3'-3 attached terminal deoxyabasic moeity PCT-US03-04088-547
 .OCATION: (1)._(1)
)THER INFORMATION: 5'-3 attached terminal deoxyabasic moeity
 100.0%; Score 15; DB 1; Length 21; 100.0%; Pred. No. 1.1e+02; ... ive 0; Mismatches 0; Indels
PRIOR APPLICATION NUMBER: US 60/358,580
PRIOR FILING DATE: 2002-02-20
PRIOR APPLICATION NUMBER: US 60/363,124
PRIOR PILING DATE: 2002-03-11
PRIOR PILING DATE: 2002-03-11
PRIOR PILING DATE: 2002-06-06
PRIOR PILING DATE: 2002-08-29
PRIOR PILING DATE: 2002-08-29
PRIOR PILING DATE: 2002-08-29
PRIOR PILING DATE: 2002-09-05
PRIOR PILING DATE: 2002-09-05
PRIOR PILING DATE: 2002-09-09
PRIOR PILING DATE: 2003-01-15
NUMBER OF SEQ ID NOMBER: US 60/440,129
NUMBER OF SEQ ID NOS: 626
 INFORMATION: n stands for thymidine
 APPLICANT: Ribozyme Pharmaceuticals, Inc.
 JOCATION: (7)...(9)
MTHER INFORMATION: 2'-deoxy-2'-fluoro
 NAME/KEY: misc feature
LOCATION: (1)._(2)
JTHER INFORMATION: 2'-deoxy-2'-fluoro
 NAME/KEY: misc_feature
LOCATION: (4)..(5)
TYTHER INFORMATION: 2'-deoxy-2'-fluoro
FEATURE:
 LOCATION: (19) ... (19)

THER INFORMATION: 2'-deoxy-2'-fluoro
 Sequence 551, Application PC/TUS0304088 GENERAL INFORMATION:
 LOCATION: (11)...(14)

STHER INFORMATION: 2'-deoxy-2'-fluoro
 SOFTWARE: Patentin version 3.2
SEQ ID NO 547
LENGTH: 21
 Conservative
 NAME/KEY: misc feature
 NAME/KEY: misc_feature
 misc_feature
 NAME/KEY: misc_feature
 misc_feature
 NAME/KEY: misc_feature
 ORGANISM: Artificial FEATURE:
 Local Similarity
nes 15; Conserv
 PCT-US03-04088-551
 IAME/KEY:
 IAME/KEY:
 Query Match
 COCATION:
 ò
 원
 siNA antisense region
 TITLE OF INVENTION: RNA Interference Mediated Inhibition of Telomerase Gene-
TITLE OF INVENTION: Expression Using Short Interfering RNA (slNA)
FILE REFERENCE: 02-708-A (400/080)
CURRENT APPLICATION NUMBER: PCT/US03/04088
 TITLE OF INVENTION: RNA Interference Mediated Inhibition of Telomerase Gene TITLE OF INVENTION: Expression Using Short Interfering RNA (siNA) FILE OF INVENTION: Expression Using Short Interfering RNA (siNA) FILE REFERENCE: 02-708-A (400/080) CURRENT APPLICATION UNMER: PCT/US03/04088 CURRENT FILING DATE: 2003-04-28
 Gaps
 ö
 Length 21;
 Indels
 Indels
 OTHER INFORMATION: Description of Artificial Sequence:
 , DB 1; Le..
1.1e+02;
0;
 Pred. No. 1.1e+02;
 Best Local Similarity 100.0%; Pred. No. 1.1 Matches 15; Conservative 0; Mismatches
 Mismatches
 OTHER INFORMATION: n stands for thymidine PCT-US03-04088-543
 APPLICANT: Ribozyme Pharmaceuticals, Inc.
 APPLICANT: Ribozyme Pharmaceuticals, Inc.
 PRIOR APPLICATION NUMBER: US 60/396,600 PRIOR FILING DATE: 2002-07-17
 PRIOR APPLICATION NUMBER: US 60/358,580
PRIOR FILING DATE: 2002-02-20
PRIOR APPLICATION NUMBER: US 60/363,124
 FILING DATE: 2002-03-11
PAPLICATION NUMBER: US 60/386,782
FILING DATE: 2002-06-06
APPLICATION NUMBER: US 60/406,784
 PRIOR FILING DATE: 2002-09-05
PRIOR APPLICATION NUMBER: US 60/409,293
PRIOR FILING DATE: 2002-09-09
PRIOR APPLICATION NUMBER: US 60/440,129
PRIOR FILING DATE: 2003-01-15
 CURRENT FILING DATE: 2003-04-28
PRIOR APPLICATION NUMBER: US 60/396,600
PRIOR FILING DATE: 2002-07-17
 RIOR FILING DATE: 2002-08-29
RIOR APPLICATION NUMBER: US 60/408,378
 Sequence 547, Application PC/TUS0304088 GENERAL INFORMATION:
 Application PC/TUS0304088
 100.0%;
 NUMBER OF SEQ ID NOS: 626
SOFTWARE: PatentIn version 3.2
 1 GCTCTAGAATGAACG 15
 1 GCTCTAGAATGAACG 15
 GCUCUAGAAUGAACG 15
 Local Similarity 80.0
hes 12; Conservative
 NAME/KEY: misc_feature
 ORGANISM: Artificial
 APPLICANT:
 Matches
 8
```

8

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FEATURE:
NAME/KEY: misc_feature
 'EATURE:
NAME/KEY: misc_feature
 WAME/KEY: misc_feature
 WAME/KEY: misc_feature
 NAME/KEY: misc_feature
ACCATION: (10)..(10)
 NAME/KEY: misc_feature
 TYPE: RNA
ORGANISM: Artificial
 OCATION
 FEATURE:
 ö
 APPLICANT: Ribozyme Pharmaceuticals, Inc.
APPLICANT: McSwiggen, James
APPLICANT: Beigelman, Leonid
TITLE OF INVENTION: RNA Interference Mediated Inhibition of Telomerase Gene
TITLE OF INVENTION: Expression Using Short Interfering RNA (sinA)
 Gaps
IITLE OF INVENTION: Expression Using Short Interfering RNA (siNA)
FLIE REPRENCE: 02-708-A (400/080)
CURRENT APPLICATION NUMBER: PCT/US03/04088
CURRENT FILING DATE: 2003-04-28
 NAME/KEY: misc_feature

: LOCATION: (20)...(20)

: OTHER INFORMATION: Phosphorothioate 3'-Internucleotide Linkage

PCT-USO3-04088-551
 Query Match
100.0%; Score 15; DB 1; Length 21;
Best Local Similarity 80.0%; Pred. No. 1.18+02;
Matches 12; Conservative 3; Mismatches 0; Indels
 OTHER INFORMATION: Description of Artificial Sequence: OTHER INFORMATION: antisense region
 PRIOR FILING DATE: 2002-07-17
PRIOR FILING DATE: 2002-07-17
PRIOR FILING DATE: 2002-07-17
PRIOR PILING DATE: 2002-07-17
PRIOR APPLICATION NUMBER: US 60/363,124
PRIOR APPLICATION NUMBER: US 60/363,124
PRIOR FILING DATE: 2002-03-11
PRIOR FILING DATE: 2002-06-06
PRIOR FILING DATE: 2002-06-06
PRIOR PRIOR APPLICATION NUMBER: US 60/406,784
PRIOR PILING DATE: 2002-09-05
PRIOR PILING DATE: 2002-09-05
PRIOR PILING DATE: 2002-09-09
PRIOR FILING DATE: 2002-09-09
PRIOR FILING DATE: 2002-09-09
PRIOR FILING DATE: 2003-01-15
NUMBER OF SEQ ID NOS: 626
SEQ ID NO 551
LENGTH: 21
 OTHER INFORMATION: n stands for thymidine
 FEATURE:
NAME/KEY: misc_feature
LOCATION: (14)...(14)
OTHER INFORMATION: 2'-deoxy-2'-fluoro
 FEATURE:
NAME/KEY: misc_feature
LOCATION: (17)..(17)
OTHER INFORMATION: 2'-deoxy-2'-fluoro
 PCT-US03-04088-555/c PCT-US03-04088 ; Sequence 555, Application PC/TUS0304088 ; GENERAL INFORMATION:
 FEATURE:
NAME/KEX: misc_feature
LOCATION: (2). (5)
OTHER INFORMATION: 2'-deoxy-2'-fluoro
 LOCATION: (10)...(10)
OTHER INFORMATION: 2'-deoxy-2'-fluoro
 1 GCUCUAGAAUGAACG 15
 FEATURE:
NAME/KEY: misc_feature
 NAME/KEY: misc_feature
LOCATION: (20)..(21)
 TYPE: RNA
ORGANISM: Artificial
```

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OTHER INFORMATION: Description of Artificial Sequence: Target sequence/siNA sense
OTHER INFORMATION: region
 INFORMATION: 5'-3 attached terminal deoxyabasic moeity
FILE REFERENCE: 02-708-A (400/080)

CURRENT APPLICATION NUMBER: PCT/USO3/04088

CURRENT FILING DATE: 2003-04-28

PRIOR PELICATION NUMBER: US 60/396,600

PRIOR FILING DATE: 2002-07-17

PRIOR PELING DATE: 2002-07-17

PRIOR PILING DATE: 2002-03-11

PRIOR FILING DATE: 2002-03-11

PRIOR FILING DATE: 2002-06-6

PRIOR FILING DATE: 2002-06-6

PRIOR FILING DATE: 2002-06-7

PRIOR FILING DATE: 2002-06-7

PRIOR FILING DATE: 2002-06-7

PRIOR PILING DATE: 2002-06-7

PRIOR FILING DATE: 2002-09-7

PRIOR APPLICATION NUMBER: US 60/440,129

PRIOR FILING DATE: 2003-01-15

NUMBER OF SEQ ID NOS: 626

SOFTWARE: PATCENTIN VERSION 3.2

SEQ ID NO 555
 LOCATION: (20)...(21)
OTHER INFORMATION: n stands for thymidine
FEATURE:
 NAME/KEY: misc feature
LOCATION: (1). (2)
OTHER INFORMATION: 2'-deoxy-2'-fluoro
 WME/KEY: misc feature
COCATION: (11)...(14)
OTHER INFORMATION: 2'-deoxy-2'-fluoro
 NAME/KEY: misc feature
LOCATION: (4). (5)
OTHER INFORMATION: 2'-deoxy-2'-fluoro
 NAME/KEY: misc feature
OCATION: (7). 7(9)
OTHER INFORMATION: 2'-deoxy-2'-fluoro
 LOCATION: (19)..(19)
OTHER INFORMATION: 2'-deoxy-2'-fluoro
 NAME/KEY: misc_feature
LOCATION: (3)._(3)
OTHER INFORMATION: 2'-deoxy
 COCATION: (10)...(10)

THER INFORMATION: 2'-deoxy
 LOCATION: (15)...(18)
OTHER INFORMATION: 2'-deoxy
 OCATION: (6). (6)
THER INFORMATION: 2'-deoxy
```

```
; OTHER INFORMATION: Description of Artificial Sequence: Target sequence/siNA sense; OTHER INFORMATION: region
PCT-US03-04088-520
 GAPLICANT: Ribozyme Names

APPLICANT: Ribozyme Names

APPLICANT: Rowiggen, James

APPLICANT: Beigelman, Leonid

TITLE OF INVENTION: Expression Using Short Interfering RNA (siNA)

TITLE OF INVENTION: Expression Using Short Interfering RNA (siNA)

FILE REPERENCE: 02-708-4 (400/080)

FILE REPERENCE: 02-708-4 (400/080)

FULLE REPERENCE: 02-708-4 (400/080)

FULLE REPERENCE: 02-708-4 (400/080)

FRICH PAPLICATION NUMBER: US 60/359, 580

PRIOR APPLICATION NUMBER: US 60/359, 24

PRIOR APPLICATION NUMBER: US 60/363, 124

PRIOR PELING DATE: 2002-00-10

PRIOR FILING DATE: 2002-00-00

PRIOR APPLICATION NUMBER: US 60/400, 293

PRIOR PRIOR FILING DATE: 2002-00-00

PRIOR PRIOR PRIOR DATE: 2002-00-00

PRIOR PRIOR DATE: 2002-00-00
 LOCATION: (20) (20)
OTHER INFORMATION: Phosphorothioate 3'-Internucleotide Linkage
 Length 21;
 100.0%; Score 15; DB 1; Length 23;
 Indels
 Score 15; DB 1;
Pred. No. 1.1e+02;
 Mismatches
 , LUCATION: (20)...(21)
; OTHER INFORMATION: n stands for thymidine PCT-US03-04088-559
ION: (14)..(14)
INFORMATION: 2'-deoxy-2'-fluoro
 PCT-US03-04088-520/c; Sequence 520, Application PC/TUS0304088; GENERAL INFORMATION:
 INFORMATION: 2'-deoxy-2'-fluoro
 NUMBER OF SEQ ID NOS: 626
SOFTWARE: PatentIn version 3.2
SEQ ID NO 520
 1 GCUCUAGAAUGAACG 15
 LOCATION: (15)...(16)
OTHER INFORMATION: 2'-deoxy
 NAME/KEY: misc feature
LOCATION: (18). (19)
OTHER INFORMATION: 2'-deoxy
 Query Match
Best Local Similarity 80.0
Matches 12, Conservative
 NAME/KEY: misc feature
LOCATION: (17)..(17)
 WAME/KEY: misc_feature
 JAME/KEY: misc feature
 TYPE: RNA ORGANISM: Artificial
 FEATURE:
 g
 OTHER INFORMATION: Description of Artificial Sequence: Target sequence/sinA OTHER INFORMATION: antisense region
 Gaps
 APPLICANT: Beigelman, Leonid
TITLE OF INVENTION: RNA Interference Mediated Inhibition of Telome
TITLE OF INVENTION: Expression Using Short Interfering RNA (siNA)
FILE REFERENCE: 02-708-A (400/080)
CURRENT APPLICATION NUMBER: PCT/US03/04088
CURRENT FILING DATE: 2003-04-28
 .
0
NAME/KEY: misc_feature

| LOCATION: (21)...(21)

| OTHER INFORMATION: 3'-3 attached terminal deoxyabasic moeity

PCT-US03-04088-555
 Score 15; DB 1; Length 21;
Pred. No. 1.1e+02;
 Indels
 Mismatches
 PRIOR APPLICATION NUMBER: US 60/396, 600
PRIOR FILING DATE: 2002-07-17
PRIOR PILING DATE: 2002-07-17
PRIOR PILING DATE: 2002-02-20
PRIOR PILING DATE: 2002-02-20
PRIOR PILING DATE: 2002-03-11
PRIOR FILING DATE: 2002-06-06
PRIOR FILING DATE: 2002-06-06
PRIOR FILING DATE: 2002-06-06
PRIOR PILING DATE: 2002-06-20
PRIOR PILING DATE: 2002-09-05
PRIOR PILING DATE: 2002-09-05
PRIOR PILING DATE: 2002-09-05
PRIOR PILING DATE: 2002-09-05
PRIOR FILING DATE: 2002-09-05
PRIOR PILING DATE: 2002-09-05
PRIOR FILING DATE: 2002-09-05
PRIOR FILING DATE: 2003-01-15
PRIOR FILING DATE: 2003-01-15
PRIOR PILING DATE: 2003-01-15
PRIOR FILING DATE: 2003-01-15
PRIOR PILING DATE: 2003-01-15
 APPLICANT: NCSWIGGEN, James
APPLICANT: McSwiggen, James
APPLICANT: Beigelman, Leonid
 Sequence 559, Application PC/TUS0304088
 LOCATION: (10)...(10)

THER INFORMATION: 2'-deoxy-2'-fluoro
 ION: (2)..(5)
INFORMATION: 2'-deoxy-2'-fluoro
 100.0%;
 1 GCTCTAGAATGAACG 15
 19 GCTCTAGAATGAACG 5
 LOCATION: (11)...(13)
OTHER INFORMATION: 2'-deoxy
FEATURE:
NAME/KEY: misc_feature
 LOCATION: (1). (1)
OTHER INFORMATION: 2'-deoxy
 Query Match
Best Local Similarity 100.0
Matches 15; Conservative
 JOCALLON: (6) ...(9)
JTHER INFORMATION: 2'-deoxy
 WAME/KEY: misc_feature
 NAME/KEY: misc_feature
 misc_feature
 NAME/KEY: misc_feature
 NAME/KEY: misc feature
 ORGANISM: Artificial
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Gaps

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Gaps
 ö
 100.0%; Score 15; DB 6; Length 26; 100.0%; Pred. No. 1.1e+02; ive 0; Mismatches 0; Indels
 COMPUTER: IBM PC Compatible
COMPUTER: IBM PC Compatible
OPERATURG SYSTEM: PC-1065/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/721,456
FILING DATE: SZ-NOV-2000
CLASSIFICATION: VUNKNOWN->
 NAME: Apple, Randolph Ted
REGISTRATION NUMBER: 36,429
REFERENCE/DOCKET NUMBER: 015389-002610US
TELECOMMUNICATION:
 OTHER INFORMATION: /note= "R3c primer's SEQUENCE DESCRIPTION: SEQ ID NO: 598:
 FILING DATE: 14-AUG-1997
APPLICATION WUMBER: US 08/912,951
FILING DATE: 14-AUG-1997
APPLICATION NUMBER: US 08/915,503
FILING DATE: 14-AUG-1997
FILICATION NUMBER: WO PCT/US97/17618
FILING DATE: 01-OCT-1997
 APPLICATION NUMBER: WO PCT/US97/17885 FILING DATE: 01-OCT-1997 ATTORNEY/AGENT INFORMATION:
 PRIOR APPLICATION DATA:
APPLICATION NUMBER: US/08/974,549A
 PILING DATE: 19-NOV-1997
APPLICATION NUMBER: US 08/724,643
ELING DATE: 01-OCT-1996
APPLICATION NUMBER: US 08/844,419
FILING DATE: 18-APR-1997
 APPLICATION NUMBER: US 08/846,017
FILING DATE: 25-APR-1997
 APPLICATION NUMBER: US 08/854,050
FILING DATE: 09-MAY-1997
 APPLICATION NUMBER: US 08/851,843
FILING DATE: 06-MAY-1997
 APPLICATION NUMBER: US 08/911,312
 Sequence 598, Application US/10325810
GENERAL INFORMATION:
APPLICANT: Cech, Thomas R.
Lingner, Joachim
Nakamura, Toru
Chapman, Karen B.
 ZIP: 94111-3834
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
 0;
 TELEFAX: (415) 576-03
INFORMATION FOR SEQ ID NO: 598
 TYPE: nucleic acid
STRANDEDNESS: single
 LOCATION: 1..26
OTHER INFORMATION:
 SEQUENCE CHARACTERISTICS
 1 GCTCTAGAATGAACG 15
 STATE: California
 TOPOLOGY: linear
MOLECULE TYPE: DNA
FEATURE:
 15; Conservative
 Best Local Similarity
Matches 15; Conser
 RESULT 10
US-10-325-810-598
 US-09-721-456-598
 Query Match
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 ; OTHER INFORMATION: Description of Artificial Sequence: Target sequence/sinA sense; OTHER INFORMATION: region
PCT-US03-04088-521
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 Gaps
 Gaps
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 .;
0
 APPLICANT: NIGOZYME PATRACEULICAIS, INC.
APPLICANT: MCSW499Gn. James
APPLICANT: Beigelman, Leonid
TITLE OF INVENTION: RNA Interference Mediated Inhibition of Telo
TITLE OF INVENTION: Expression Using Short Interfering RNA (sin
TITLE OF INVENTION: Expression Using Short Interfering RNA (sin
FILE REFERENCE: 02-708-A (400/080)
CURRENT APPLICATION NUMBER: PCT/US03/04088
CURRENT PILING DATE: 2003-04-28
PRIOR APPLICATION NUMBER: US 60/396,600
PRIOR PILING DATE: 2002-05-20
PRIOR PLING DATE: 2002-03-11
PRIOR PLING DATE: 2002-03-11
PRIOR PLING DATE: 2002-06-8
PRIOR PLING DATE: 2002-06-9
PRIOR PLING DATE: 2002-09-09
PRIOR PLING DATE: 2003-01-15
NUMBER OF SEQ ID NOS: 626
SGFTWARE PLEIN VERSION 3.2
 Morin, Gregg B.
Harley, Calvin B.
Andrews, William H.
INVENTION: Human Telomerase Catalytic Subunit
 Score 15; DB 1; Length 23; Pred. No. 1.1e+02;
 Indels
 0; Indels
 ADDRESSEE: Townsend and Townsend and Crew LLP STREET: Two Embarcadero Center, Eighth Floor CITY: San Francisco
 Pred. No. 1.1e+02;
100.0%; Pred. ...
 Mismatches
 APPLICANT: Ribozyme Pharmaceuticals, Inc.
 Sequence 521, Application PC/TUS0304088 GENERAL INFORMATION:
 Sequence 598, Application US/09721456 GENERAL INFORMATION:
 APPLICANT: Cech, Thomas R.
Lingner, Joachim
Nakamura, Toru
Chapman, Karen B.
 ö
 100.0%;
 1 GCTCTAGAATGAACG 15
 1 GCTCTAGAATGAACG 15
 21 GCTCTAGAATGAACG 7
 TITLE OF INVENTION: Hun
NUMBER OF SEQUENCES: 7;
CORRESPONDENCE ADDRESS
 Query Match
Best Local Similarity 100.0
Matches 15; Conservative
 Best Local Similarity 100.
Matches 15; Conservative
 TYPE: RNA
ORGANISM: Artificial
 PCT-US03-04088-521/c
 RESULT 9
US-09-721-456-598
 SEQ ID NO 52:
LENGTH: 23
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15;
 Matches
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 g
 COUNTY: USA
ZIP: 94111-3834
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: 1BM PC compatible
COMPUTER: 1BM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PAtentin Release #1.0, Version #1.30
CURRENT APPLICATION NUMBER: US/10/325,810
FILING DATE: 20-Dec-2002
CLASSIFCATION: CURROND>
PRIOR APPLICATION DATA:
PRIOR APPLICATION DATA:
Andrews, William H.
DF INVENTION: Human Telomerase Catalytic Subunit
OF SEQUENCES: 633
 Length 26;
 ADDRESSEE: Townsend and Townsend and Crew LLP STREET: Two Embarcadero Center, Eighth Floor CITY: San Francisco STATE: California
 REGISTRATION NUMBER: 42,271
REFERENCE/DOCKET NUMBER: 015389-002620US
 100.0%; Score 15; DB 9;
ilarity 100.0%; Pred. No. 1.1e+02;
Conservative 0; Mismatches 0;
 LOCATION: 1..26
OTHER INFORMATION: /note= "R3c primer"
SEQUENCE DESCRIPTION: SEQ ID NO: 598:
 FILING DATE: 14-AUG-1997
APPLICATION NUMBER: WO PCT/US97/17885
FILING DATE: 01-OCT-1997
 FILING DATE: 01-OCT-1996
PEDLICATION NUMBER: US 08/844,419
FILING DATE: 18-APR-1997
APPLICATION NUMBER: US 08/846,017
 APPLICATION NUMBER: US/09/402,181
 FILING DATE: 29-Sep-1997
APPLICATION NUMBER: US 08/724,643
 APPLICATION NUMBER: US 08/851,843
 APPLICATION NUMBER: US 08/854,050
 APPLICATION NUMBER: US 08/911,312
 FILING DATE: 14-AUG-1997
APPLICATION NUMBER: US 08/912,951
 FILING DATE: 14-AUG-1997
APPLICATION NUMBER: US 08/915,503
 E: (415) 576-0200 (415) 576-0300
 25-APR-1997
 06-MAY-1997
 09-MAY-1997
 TELECOMMUNICATION INFORMATION
 NAME: Ausenhus, Scott L.
 ATTORNEY/AGENT INFORMATION:
 INFORMATION FOR SEQ ID NO: 598
 SEQUENCE CHARACTERISTICS
 CORRESPONDENCE ADDRESS:
 TYPE: nucleic aci
 FILING DATE:
 FILING DATE:
 TELEPHONE:
 Query Match
Best Local Similarity
Matches 15; Conserv
 TITLE OF NUMBER OF
 JS-10-325-810-598
 FEATURE
```

1 GCTCTAGAATGAACG 15

GCTCTAGAATGAACG 19

RESULT 11

```
Purified Telomerase to Identify Telomerase Activators and
 ..
 COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC Compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.30
 STREET: Two Embarcadero Center, Eighth Floor
CITY: San Francisco
STATE: California
 Score 15; DB 9;
Pred. No. 1.1e+02;
 ADDRESSEE: Townsend and Townsend and
 Andrews, William H.
TITLE OF INVENTION: Mammalian Telomerase
NUMBER OF SEQUENCES: 42
CORRESPONDENCE ADDRESS:
 PRIOR APPLICATION DATA:
APPLICATION NUMBER: US/09/057,351
FILING DATE: 08-APR-1994
APPLICATION NUMBER: US 08/272,102
FILING DATE: 07-JUL-1994
APPLICATION NUMBER: US 08/330,123
 Mismatches
 CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/10/359,935
FLING DATE: 07-Feb-2003
CLASSIFICATION: 435
 FILING DATE: 27-OCT-1994
APPLICATION NUMBER: US 08/472,802
 ; MOLECULE TYPE: DNA
; SEQUENCE DESCRIPTION: SEQ ID NO: 23:
US-10-359-935-23
 NAME: Storella, John R. REGISTRATION NUMBER: 32,944
Sequence 23, Application US/10359935
GENERAL INFORMATION:
APPLICANT: Villeponteau, Bryant
 REFERENCE/DOCKET NUMBER: TELECOMMUNICATION:
 FILING DATE: 07-JUN-1995
 Sequence 5, Application US/10330872 GENERAL INFORMATION:
 ATTORNEY/AGENT INFORMATION:
 0
 APPLICANT: Geron Corporation
APPLICANT: Weinrich, Scott
APPLICANT: Atkinson III, Edward
APPLICANT: Lichtsteiner, Serge
 APPLICANT: Vasserot, Alain
APPLICANT: Pruzan, Ronald
TITLE OF INVENTION: Using Purifi
TITLE OF INVENTION: Using Purifi
FILE REFERENCE: 011/006C
 100.0%;
 TYPE: nucleic acid
STRANDEDNESS: single
 INFORMATION FOR SEQ ID NO: 23
SEQUENCE CHARACTERISTICS
 Conservative
 COUNTRY: USA
ZIP: 94111-3834
 TELEPHONE:
 Query Match
Best Local Similarity
 APPLICANT:
APPLICANT:
APPLICANT:
APPLICANT:
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